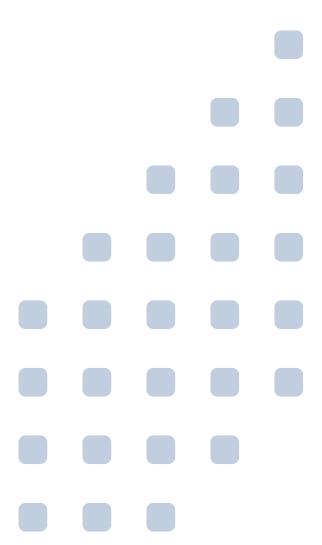


Canadian Commercial Real Estate: Theory, Practice, Strategy

S. Michael Brooks, Ph.D.



Publication Data

Canadian Commercial Real Estate: Theory, Practice, Strategy

ISBN 978-0-9739934-6-2

Library and Archives Canada Cataloguing in Publication

Brooks, S. Michael, 1952-, author, editor Canadian commercial real estate: theory, practice, strategy / written and edited by S. Michael Brooks, Ph.D.

Includes bibliographical references. ISBN 978-0-9739934-6-2 (hardback)

- 1. Commercial real estate Canada.
- 2. Real estate investment Canada. I. Real Property Association of Canada, issuing body II. Title.

HD1393.58.C3B76 2016 332.63'240971 C2016-905184-6

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The author would like to gratefully acknowledge the following companies for contributing the cover photos:

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REALPAC (The Real Property Association of Canada) is Canada's premier association for real property investment leaders. REALPAC's mission is to bring those leaders together to influence public policy, educate government and the public, and to ensure stable and beneficial real estate capital and property markets in Canada.

REALPAC members currently own in excess of \$250 billion in real estate assets located in the major centres across Canada, the United States (U.S.) and elsewhere in the world, and include real estate investment trusts, publicly traded real estate companies, large private companies, banks, brokerages, crown corporations, investment dealers, life insurance companies, pension funds and real estate fund managers.

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Acknowledgements

The author wishes to thank individuals who took the time to contribute their knowledge and perspective to this text. A project this ambitious can only be taken so far by a single author. At some point other experts must be called in to write sections or chapters, and correct, edit, clarify, expand, contradict, challenge and amend original text.

There are four rough groupings of these experts: those who wrote significant parts of chapters (and in one case, the whole chapter), as guest authors; those who reviewed most or all of earlier drafts of the entire book; those who commented on individual chapters, and those who worked on the production of the textbook.

The contributions of the following guest authors are gratefully acknowledged:

- Fred Carsley, of De Grandpré Chait, Montreal, who contributed the Civil Law and additional business perspectives to Chapter 3: Property Rights in Canada: Title and Tenure, Chapter 4: Planning, Zoning and Land Use Regulation, Chapter 9: Leasing: Economics and Strategies, and Chapter 10: Mortgage Financing: Issues and Strategies
- Philipp Duffy, of De Grandpré Chait, Montreal, for his contribution to the civil law and additional business perspectives of Chapter 11: Development and Construction
- Professor Cynthia Holmes, of the Ted Rogers School of Management, Ryerson University, who co-wrote Chapter 6: Introduction to Commercial Real Estate Finance and Investment, was a guest contributor to Chapter 10: Mortgage Financing: Issues and Strategies, and an early reviewer of the whole book
- · Chris Langstaff, of LaSalle Investment Management, for his guest contribution to Chapter 8: Acquisitions and Dispositions: Issues and Strategies
- Nick Macrae, of the Healthcare of Ontario Pension Plan (HOOPP) who contributed to Chapter 8: Acquisitions and Dispositions: Issues and Strategies and Chapter 12: Portfolio and Asset Management
- Professor David Nickerson, of the Ted Rogers School of Management, Ryerson University, who wrote parts of Chapter 2: Fundamentals: Real Estate Economic Principles
- Daniel Simunac, of Raymond James, who contributed to Chapter 10: Mortgage Financing: Issues and Strategies
- Philip Smith, of the Altus Group, and the contributing Altus sub-authors, who wrote Chapter 7: Valuation and Advanced Real Estate Finance in its entirety.

The author also wishes to acknowledge the contributions of so many additional knowledgeable individuals in the preparation of this book, not otherwise noted as guest authors. The following individuals reviewed and provided comments on earlier draft manuscripts of most or all the book. For their overall perspective, I am very grateful:

- · Andre Kuzmicki, Executive Director, Program in Real Estate and Infrastructure Schulich School of Business, York University, Toronto
- Associate Professor Cynthia Holmes, of the Ted Rogers School of Management, Ryerson University, Toronto
- Professor David Dale-Johnson, of the University of Alberta School of Business,
 Program in Real Estate & Infrastructure, University of Alberta, Edmonton

- Associate Professor Tsur Somerville, of the Sauder School of Business, at the University of British Columbia, Vancouver
- Professor William Strange, of the Rotman School of Business at the University of Toronto

In addition to those reviewing the entire book, many chapters benefited from the input of specific individuals as researchers or expert practitioners in those specific fields. The original work has been much improved by the input of the following individuals:

- for reviewing Chapter 2: Fundamentals: Real Estate Economic Principles: Mario Lefebvre, of Ivanhoe Cambridge, Professor William Strange, of the Rotman School of Business at the University of Toronto, and Frank Clayton of the Centre for Urban Research and Land Development, Ryerson University
- for reviewing Chapter 3: Property Rights in Canada, Title and Tenure: Ceili Andrew, summer student at Aird & Berlis, Craig Carter, of Fasken Martineau; and James McBeath, of Owen Bird Law Corporation
- for reviewing Chapter 4: Planning, Zoning and Land Use Regulation: Professor David Amborski, Director of the School of Urban and Regional Planning, Ryerson University; John Campbell, of Waterfront Toronto; Eileen Costello and Laura Dean of Aird & Berlis, Bryan Tuckey, of the Building Industry and Land Development Association (BILD); Ron Palmer, of The Planning Partnership; David Ellis, of Oxford Properties (who also reviewed several other chapters); and Sophie Lewis Knowles, of Ryerson University
- for reviewing Chapter 5: Sustainability in Real Estate: Gord Hicks, of Brookfield Global Integrated Solutions; Darryl Neate, of Oxford Properties; Julia St. Michael, of REALPAC; Meghavi Patel, summer student at REALPAC; Robert Campanelli and Krystian Imgrund, of GWL Realty Advisors; Barbara Ciesla, of Jones Lang LaSalle Toronto, Francisca Quinn, of Quinn and Partners; James Gray-Donald, of Bentall Kennedy; and Doug Webber, of WSP Group
- for reviewing Chapter 6: Introduction to Commercial Real Estate Finance and Investment: Jim Clayton, of Cornerstone Real Estate Advisers, Cynthia Holmes of Ryerson University, and Joseph Shaw, of Manulife Financial
- for reviewing Chapter 8: Acquisitions and Dispositions: Issues and Strategies: Chris Langstaff, of LaSalle Investment Management, Peter Senst, of CBRE Canada, and Emily Hanna, of Crown Realty Partners
- for reviewing Chapter 9: Leasing: Economics and Strategies: John Peets, of Oxford Properties; John Knechtel, of Cadillac Fairview; Paul Morse, formerly of REALPAC; Joseph Grignano, of Blakes LLP; William Rowlands, of McMillan LLP; Michael Rende, of the Royal Bank of Canada; Ellen Williamson, of Cadillac Fairview, Natalie Vukovich, of Daoust Vukovich LLP; and Blair Brooks, of Cadillac Fairview.

- for reviewing Chapter 10: Mortgage Financing: Issues and Strategies: Scott White, of Murray and Company, Daniel Simunac, of Raymond James, and John Miron, of RBC Capital Markets
- for reviewing Chapter 11: Development and Construction: Bryan Tuckey, of BILD, David Dale-Johnson, of the University of Alberta, Finley McEwen, of Cadillac Fairview, Jeffrey Hess, of Oxford Properties Group, and Michael Whelan of Build Toronto. A special thanks to Tom Heslip, formerly of Granite REIT, whose work inspired the start of Chapter 11
- for reviewing Chapter 12: Portfolio and Asset Management: Antoinette Tummillo, of Colliers, Lachlan MacQuarrie, of Oxford Properties Group, Michael Mayville, of Oxford Properties Group, Maud Chaudhary, of Dream Unlimited, Avi Tesciuba, of Hines Canada, and Scott Pennock, of Cadillac Fairview
- Doug Adamson and Particia Adamson for their professional edit of the complete manuscript
- Darcy Brooks, who assisted in the initial editing of the overall text, chapter by chapter, and assisted in compiling the Glossary
- Scott Stewart, of Stewart Communications, who did all the layout and design work from cover to cover.

Finally, there are those engaged in production, who made this all possible. My assistant at Aird & Berlis, Joanne Cabral, typed much of this work, as did Theresa Thomaschek and Debbie Williams and many others in the Aird & Berlis document processing department. At REALPAC, Kailyn Perchalski marshalled all the secondary readers and guest contributors to get their comments in and managed that circulation process at least twice. Carolyn Lane also proofread and edited the entire manuscript, working on graphics and layout (applying that fine eye for detail) and managed the publishing arrangements with CPA Canada. Sandra Dos Santos took the final shift proofreading and editing, and did an excellent job, as usual.

Of course, any errors or omissions remaining in the book are my responsibility. Many of the above-noted contributors may not have seen the completed final draft, and I would not be a Canadian if I didn't say sorry for any failure to include a contributor's comments or to fix errors or reflect different perspectives. Hopefully the final publication is still worthy of their contributions. To all of the foregoing people, thank you so very much. This book was only completed, in the words of Joe Cocker, with a little (lot?) help from my friends.

S. Michael Brooks

July 1st, 2016

For Educational Purposes

The material presented in this publication is believed to be correct as of July 1st, 2016, and reflects the views and opinions of S. Michael Brooks (the author) with respect to those parts of the book of which he is the sole author, and any identified contributors in respect of their parts only, and not REALPAC or any other contributor, in any event.

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Table of Contents

CHA	APTER 1		1.5.1	Recognition 11
Canadian Commercial Real Estate:			1.5.2	Research 12
Inve	stment Context		1.5.3	Market Data 12
1.1	Learning Objectives 1		1.5.4	Analyst Coverage 13
	1.1.1 Structure of the Book 2		1.5.5	Institutional Investors 13
	1.1.1.1 Part one 3		1.5.6	Debt Markets 13
	1.1.1.2 Part two 3		1.5.7	Equity Markets 14
1.2	Defining Commercial Real Estate 3		1.5.8	Role Segmentation 14
1.3	Real Estate Markets 4		1.5.9	Sustainability 14
	1.3.1 Global Real Estate Market 41.3.2 Canadian Commercial		1.5.10	Corporate Social Responsibility Reporting 15
	Real Estate Market 6		1.5.11	Bonus Aspect: New Technology 16
1.4	Top 10 Attributes of Canadian Commercial Real Estate 7 1.4.1 Relatively Small Market 7	1.6	Comm	ure of the Canadian nercial Real Estate Industry: r Professional Roles 16
	1.4.2 Investability 71.4.3 Physicality 81.4.4 Adaptability 8		1.6.1 1.6.2 1.6.3	Executive Management 17 Senior Level Professionals 17 Mid-Level Professionals 17
	 1.4.5 Collateral 9 1.4.6 Mortgages 9 1.4.7 Profitability 9 1.4.8 Risk of Loss 10 		1.6.4 1.6.5	Junior Level Professionals 17 Key Professional Roles 17 1.6.5.1 Developers 17 1.6.5.2 Real estate agents and
1.5	 1.4.9 Strong Banking System 10 1.4.10 People and Reputations 10 Top 10 New Aspects of the Commercial Real Estate Market Today 11 			brokers 18 1.6.5.3 Appraisers 19 1.6.5.4 Mortgage lenders 19 1.6.5.5 Lawyers 20

		1.6.5.6	Investors 20		2.3.5.1	External variables 38
		1.6.5.7	Planners 21		2.3.5.2	Model simplifies
		1.6.5.8	Construction			reality 39
			contractors 21		2.3.5.3	Demand 40
			Cost consultants and quantity surveyors 22 Architects and			 New consumer demand after the price decline of a substitute 41
			engineers 22			· Change in consumer demand
	1.6.6	Other S	ervice Providers 23			after the price decline of a
1.7	Reviev	v Questio	ons 23			complement 42
1.8	Furthe	er Readin	ng 24		2.3.5.4	Supply 44
					2.3.5.5	Equilibrium 45
	APTER damen					Equilibrium price and quantity 46
			omic Principles		2.3.5.6	Applying the model 47
2.1			etives 25			• Effect of competition 47
2.2			o Economics 26			• Exogenous factors 48
2.2	2.2.1	Importa	ance of Economics 26		2.3.5.7	Supply and demand in practice 49
	2.2.2		ions 26	2.3.6	Real Es	tate Cycles 51
			No single definition 27			Regional economic
	2.2.3		icing the Framework 27			factors 53
2.3	Key Ec	conomic	Concepts 28			· Pre-leasing and
	2.3.1	Scarcity	y and Choice 28			pre-selling 54
	2.3.2	Opporti	unity Cost 29			 Speculative
		2.3.2.1	Opportunity costs cause disputes 30			construction 54 • Hotels 54
		2.3.2.2	Government regulation 31		2.3.6.2	Profits 55
	2.3.3	Margin	alism 31 2.4	Addit	ional Eco	nomic Theories
		2.3.3.1	Choices at the margins 32	_	ools 55	
	2.3.4	Incenti	ves 33	2.4.1	Principa	al-Agent Theory 55
		2.3.4.1	Monetary or non- monetary incentives 34	2.4.2		of the Firm: Transaction 56
		2.3.4.2	Incentives in the market 34	2.4.3		Monopolies 56 n Theory 57
		2.3.4.3	Regulated incentives 35	2.4.4		Goods 58
			Incentives for employees,	~·····		Changing definitions 58
		- 1 1	managers and clients/ customers 36	2.4.5	Merit G	Goods 59
	2.3.5	Models	and Markets 37	2.4.6	Free Rio	ders 59

x Table of Contents

	2.4.7		e and Negative alities 59			Locational Decision Making in Practice 75
	2.4.8	Propert	ry Rights 60			2.5.2.1 Small firms 75
2.5	Econo	mic Geo	graphy 60			2.5.2.2 Large firms 76
	2.5.1	Region	al Economic Location			2.5.2.3 Subjective factors 76
		Theori	Theories 60			2.5.2.4 Current debate 77
		2.5.1.1	Von Thünen and agricultural	2.6	Revie	w Questions 78
			location theory 61	2.7	Furth	er Reading 79
		2.5.1.2	Alfred Weber and industrial location theory 62	CH	APTER	13
			• Transportation costs 63			Rights in Canada: Title and Tenure
			· Labour costs 63	3.1	-	ing Objectives 81
			· Land costs 64	3.2		duction to Property Rights 82
			• Evaluation of Weber's	3.3		erty Rights and Freedom 82
			theory 64	ر.ر	3.3.1	John Locke 83
		2.5.1.3	-		3.3.2	Adam Smith 83
			· Varying land uses 66		3.3.3	David Ricardo 84
			 Spacing 66 Competitive and uncompetitive nations 67	3.4		erty Rights in Modern Economics 84
					3.4.1	Failure of Communism 85
		2.5.1.4			3.4.2	Expropriation and the Holdout
						Problem 85
			theory 67	3.5	Prope	erty Rights in Canadian History 86
		2.5.1.5	 Other contributors to spatial economic theory 69 Parallels with economic theory 69 North Americans discover the German geographers 70 		3.5.1	Crown Patent 87
				3.6	Six Pr	roperty Rights in Common Law 87
				3.7		itutional Protection of Property s in Canada 90
					3.7.1	Aboriginal Treaty Rights 91
					3.7.2	Decision Not to Entrench Property Rights 92
			 Land use and regulatory change 71 	3.8		ginal Property Rights to Lands on a ve 92
		 Limited explanatory power of locational theories 71 			3.8.1	Rights of Aboriginal Peoples to Title Alienation 93
		2.5.1.6	Modern location theories 72	3.9	Title a	and Tenure in Land in Canada 95
			 Comparative advantage: an incomplete explanation 74 	<i>J</i> • <i>y</i>	3.9.1	Registry Systems to Torrens Systems 96
			Value for real estate theory 74			3.9.1.1 Registry system 96

	3.9.1.2	Torrens systems 97		3.11.5 Risk Mitigation 111
		· Torrens or land titles		3.11.6 Statutory Agreements 111
		systems in Canada 97		3.11.6.1 Check the neighbouring
		• Mirror principle 98		property 112
		· Curtain principle 98	3.12	Structuring and Priority Issues in Tenure
		• Insurance principle 99		in Canada 113
	3.9.1.3	Actual notice 99		3.12.1 Priorities of Mortgagees 113
	3.9.1.4	Decline of registry		3.12.2 Priorities of Lessees 114
		systems 99		3.12.3 Matching Mortgage Maturities 115
	3.9.1.5	Agreements must be in	3.13	Title Insurance 115
		writing 100	3.14	Review Questions 116
3.9.2	Types of Tenu in Canada 10	re in Common Law	3.15	Further Reading 116
				3.15.1 Bibliography 116
		Fee simple 100 Concurrent interests: joint		3.15.2 Annotated Bibliography 117
	3.9.2.2	tenancy and tenancy in		
		common 101		APTER 4
	3.9.2.3	Co-operatives 101	Plar	nning, Zoning and Land Use Regulation
	3.9.2.4	Leasehold estates 102	4.1	Learning Objectives 120
		Other rights 102	4.2	Introduction to Planning 121
		· Non-possessory title 102		4.2.1 Purpose of Planning 121
		· Tenure of aboriginal		4.2.2 Planners 122
		title 102		4.2.3 Primary Components of Planning
		· Possessory title 103		Oversight 122
	3.9.2.6	Surveys and reference		4.2.3.1 Professional planners 122
		plans 103		4.2.3.2 Elected representatives 123
		· Reference plans 103	4.3	Brief History of Planning in Canada 124
		 Building location 		4.3.1 Postwar Urbanization 125
		survey 104		4.3.2 Jane Jacobs Model 125
	3.9.2.7	Holding title 105		4.3.3 Late Twentieth - and Early Twenty -
3.10	Rights In Person	nam vs. Rights In Rem 107		First Century Planning Models 126
	3.10.1 Runnin	g with the Land 107	4.4	How Canadian Communities Plan Today 128
	3.10.2 Restric	tive Covenants 108		
3.11	•	ement of Purchase		4.4.1 Official Plan 128
	and Sale 108			4.4.2 Changing the Plan 129
		Legal Counsel 109		4.4.2.1 Challenges from residents' associations 130
	3.11.2 Survey:	s 109		4.4.2.2 Failure of developers 132
	3.11.3 Value o	of the Title Register 110		4.4.2.2 ranute of developers 132
	3.11.4 Mortga	iges 110		

4.5	Consti	tutional Division of Powers 134		4.7.10.1 Provincial examples			
	4.5.1	Federal Jurisdiction 134		· Alberta 150			
	4.5.2	Provincial Jurisdiction 135		· British Columbia 150			
	4.5.3	Municipal Jurisdiction 135		· Manitoba 150			
	4.5.4	Purpose of Land Use		 New Brunswick 150 			
		Regulation 137		• Ontario 151			
	4.5.5	Planning and the Environment 138		 Prince Edward Island 151 			
4.6		ing Process: Typical Canadian atory Tools 139		Quebec 151Saskatchewan 151			
	4.6.1	Municipal Land Use Regulation 139	4.8	Development Charges and Levies 152			
		4.6.1.1 Comprehensive official plans 139	4.0	4.8.1 Development Charges 152			
		· After adoption 141		4.8.1.1 Theoretical basis 153			
	4.6.2	Zoning Bylaws 141		4.8.1.2 Uses 153			
		4.6.2.1 Amendments 143	4.9	4.8.2 Parks Levies 153			
		4.6.2.2 Site plan control 143		4.8.3 Density Bonusing 154			
		Development permit systems 143		Planning in Canada: Some Current Themes 156			
		• Minor variances 143		4.9.1 Smart Growth 156			
		 Heritage preservation 143 		4.9.2 New Urbanism 156			
		• Subdivision control 144		4.9.2.1 Compact mixed-use development 157			
	- 1	· Consents to sever 145		4.9.3 Green Cities 157			
4.7		opment Process from the Developer's ective 146	4.10	The Future 163 Review Questions 164			
	4.7.1	Stage One: Inquiry 147	4.11	Further Reading 164			
	4.7.2	Stage Two: Pre-Application 148	4.12	ruttiet Reading 104			
	4.7.3	Stage Three: Application Submission 148	CHAPTER 5 Sustainability in Real Estate				
	4.7.4	Stage Four: Application Review 148		Learning Objectives 167			
	4.7.5	Stage Five: Public Consultation 149	5.1	Introduction to Sustainability 168			
	4.7.6	Stage Six: Report to Council 149	5.2				
	4.7.7	Stage Seven: Development Approval 149		Estate 169			
	4.7.8	Stage Eight: Site Plan Submission		5.2.2 Sustainability Tools 170			
		and Approval 149	5.3	Sustainability at the Entity Level 172			
	4.7.9	Stage Nine: Building Permit Submission and Approval 149		5.3.1 Corporate Social Responsibility Reporting 172			
	4.7.10	Appealing Municipal Planning Decisions 150		5.3.2 Disclosure and Materiality 173			

	5.3.3	Disclosure Based on CSR Reporting 174	 LEED CS: Core and shell development 	189	
	5.3.4	Merit-Based CSR Programs 174	· LEED O & M:EB:		
	5.3.5	Indices, Registries and Rankings 175	(Existing buildings)	189	
		5.3.5.1 FTSE4Good 175	• BREEAM (U.K.) 18	9	
		5.3.5.2 Dow Jones World 175 Sustainability Index 175	NABERS AND GREE.STAR (AUS) 190	N	
		5.3.5.3 Corporate Register 175	• BOMA BESt (Canada	a) 190	
		5.3.5.4 GRESB 176	5.5 Benefits of Green Buildings 190		
5.4	Sustai	nability at the Asset Level 176	5.6 Sustainability at the Investor Level	192	
	5.4.1	Carbon Footprint Analysis 177	5.6.1 UNEP PRI 192		
	5.4.2	Green Building Standards 177	5.6.2 GRESB 193		
		5.4.2.1 What should be measured and how? 178	5.6.3 Institutional Investors Group of Climate Change 193	on	
		• Carbon 178	5.7 The Sustainability Manager's Role in Commercial Real Estate 193		
		• Energy 179	5.7.1 Gathering the Information 1	95	
		• Water 179	5.7.2 Analyzing the Information 1		
		• Waste 179	5.7.3 Using the Information 196	75	
		5.4.2.2 Common metric 179	5.8 Tools by Asset Type 197		
		5.4.2.3 Target setting 180	5.9 Review Questions 197		
		• Data normalization 181	5.10 Further Reading 197		
		5.4.2.4 Energy measurement 182	5.11 Appendix: Sustainable Tools by		
		5.4.2.5 Water consumption measurement 184	Asset Class 200		
		5.4.2.6 Carbon emissions 184	CHAPTER 4		
		 Measurement protocols 184 	CHAPTER 6 Introduction to Real Estate Finance		
		· Application to commercial	and Investment		
		buildings 185	6.1 Learning Objectives 211		
		 Intensity metrics 185 	6.2 Mathematical Tools 212		
		5.4.2.7 Waste and recycling 185	6.2.1 Present Value 212		
	5.4.3	Global Green Certification Systems 186	6.2.2 Lump Sums 212 6.2.2.1 Present value 213		
		5.4.3.1 Methodologies, audit	6.2.2.2 Future value 213		
		processes, reporting 187	6.2.3 Annuity Payments 214		
		• LEED 187	6.2.3.1 Present value of		
		· LEED NC: New	an annuity 214		
		construction and	6.2.3.2 Annuity payment 21	.5	
		major renovations 188	6.2.3.3 Mortgage payments	216	

		6.2.3.4	Present value of an uneven cash flow 217	-		nary 24 w Ouesti	2 ons 242		
6.3	The Five Key Metrics 218					-			
	6.3.1 An Overview of Key Tools in Commercial Real Estate Finance 218				6.11 Further Reading 243 CHAPTER 7 Valuation and Advanced				
		6.3.1.1	Capitalization rate: overview 219			e Finan			
		6.3.1.2	Discounted cash flow analysis: overview 219 Internal rate of return: overview 220	7.1 7.2 7.3	Purpo	se of Val	ctives 244 uation 245 hodology 245 Comparison 246		
		6.3.1.3	Financial leverage: overview 220		7.3.2 7.3.3	Cost 2			
			Net effective rent: overview 220	7.4	7.3.4		esidual 246		
		6.3.1.5	Land residual value: overview 220		7.4.1		rial 247		
6.4	Capita	alization	Rates 221			7.4.1.1 7.4.1.2	Market significance 247 Investment		
	6.4.1	Direct (Capitalization 221			/.4.1.2	characteristics 248		
		6.4.1.2	Price / earnings (PE) multiple 221 Financial analysis 223			7.4.1.3 7.4.1.4 7.4.1.5	Influence of financing 249 Revenue 249		
	6.4.2	Capital	Three bids compared 224 ization Rate ession 225			7.4.1.7			
	6.4.3	Capitalization Rate Decompression 225			7.4.2	Office 7.4.2.1	250 Market significance 251		
6.5			sh Flow Analysis 229 ll Rate of Return 232			7.4.2.2	Investment characteristics 252		
6.6			rage 233			7.4.2.3	Influence of financing 252		
6.7		235	ruge 200			7.4.2.4	Typical investment/appraisal analysis 252		
	-	Face Re	nt 235 ent 236 ective Rent 236				Yield selection 255 Capitalization rate 256		
	0./.5		Using net effective rent in rent analysis 239		7.4.3	7.4.2.7 Retail	257		
6.8	Land 1	Residual	Value 240			7.4.3.1 7.4.3.2	Market significance 257 Investment characteristics 258		

	7.4.3.3	Influence of financing 258		7.4.7 Development Land 273
	7.4.3.4	Typical investment/appraisal		7.4.7.1 Market significance 273
		analysis 259		7.4.7.2 Types of development 273
	7.4.3.5	Revenue 260		7.4.7.3 Highest and best use 274
	7.4.3.6	Operating costs 261		7.4.7.4 Methods of valuation 274
	7.4.3.7	Capitalization rate 262		• Direct comparison 274
	7.4.3.8	Comparison techniques 262		• Extraction 275
7.4.4	Apartm	ent 262		· Allocation 275
	7.4.4.1	Market significance 262		 Subdivision
	7.4.4.2	Investment characteristics 263		development 275
	7 /. /. 2	Influence of financing 263		• Land residual value 275
		Revenue 264		Ground rent capitalization 275
		Operating costs 264		7.4.7.5 Direct comparison
	7.4.4.6	Capitalization rate 265		approach 275
	7.4.4.7	Comparison techniques 265		7.4.7.6 Land residual method 276
7.4.5	Seniors	Housing 265		7.4.7.7 Construction cost
	7.4.5.1	Market significance 266		estimates 277
	7.4.5.2	Investment		7.4.7.8 Influence of financing 278
		characteristics 266	7.5	Valuation Standards 279
		Influence of financing 266		7.5.1 Standards of Professional Organizations 279
		Revenue 268		7.5.2 Other Valuation Standards 280
		Operating costs 268		7.5.3 Emerging Trends in Valuation 280
		Capitalization rate 268		7.5.3.1 Risk and attribution
	7.4.5.7	Direct comparison 268		analysis 280
7.4.6	Hotels	268		7.5.3.2 Automated valuation
		Market significance 269		models 281
	7.4.6.2	Investment	7.6	Tools and Technologies 282
		characteristics 269	7.7	Review Questions 283
		Influence of financing 270	7.8	Further Reading 283
		Revenue 271		
		Departmental expenses 271	CHA	APTER 8
	7.4.6.6	Non-departmental operating costs 272	_	quisitions and Dispositions: ues and Strategies
	7.4.6.7	Income valuation techniques 272	8.1	Learning Objectives 284
	7.4.6.8	Capitalization rate 272	8.2	Acquiring and Holding Real Estate 285
		Comparison techniques 273		8.2.1 Corporations 285
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8.2.2 Partnerships 286

	8.2.3	8.2.2.1 Limited partnerships 286 Inter Vivos Trusts 287	8.4.7	Renegotiating Price and Terms Prior to Expiry of the Conditional or Due Diligence Periods 302
	8.2.4	Co-Tenancies and Joint Ventures 287	8 / 8	Renegotiating Prior to Closing 303
	8.2.5	Holding Title Individually 288		sition Strategies 303
8.3	-	sition Due Diligence 289	8.5.1	"Location, Location, Location" 303
	8.3.1	Objectives of the Acquisition 289	8.5.2	Below Replacement Cost 303
	8.3.2	Purchasing Income Producing Property 289	8.5.3	Below Market Rents 304
	8.3.3	Purchasing Development	8.5.4	Under and Over Market Mortgage 304
		Property 291	8.5.5	Poorly Managed 305
	8.3.4	Acquiring Property for Purchaser's	8.5.6	Needs Repositioning 306
		Own Occupation and Use 292	8.5.7	Monopoly Location 306
	8.3.5	Importance of Exclusivity 293	8.5.8	Bond - Like Tenant Covenant (Credit
	8.3.6	Factors Affecting the Type of Due Diligence 293		Tenant Lease) 307
	Q 2 7	Components of a Due Diligence	8.5.9	Leverage 307
	8.3.7	Investigation 294	8.5.10	Property Carries Itself Waiting for Redevelopment 308
	8.3.8	Due Diligence Providing Purchaser Leverage 294	8.5.11	Low Beta/Diversification Benefit 308
	8.3.9	Option to Purchase vs. Due Diligence	8.5.12	Strengthening Macro Economy 309
		Period 295	8.5.13	Holdout Parcel/Key Development
8.4		nining Price and Value 295		Piece (Land and Tenancy) 309
	8.4.1	Defining Market Price 296	8.5.14	New Development Nearby: Halo
		8.4.1.1 Capitalization rate valuation 296	Q E 1E	Effect 309 Good Inflation Hedge 310
		8.4.1.2 Subjective valuation 297		Storehouse of Value 310
	8.4.2	Illiquid and Specialty Markets 298 8.6	_	sition from an Institutional
	8.4.3	Purchaser Acquisition	-	ective 310
		Strategies 298	8.6.1	Acquisition Process Overview 311
		8.4.3.1 Making the purchase price inclusive 299		8.6.1.1 Underwriting an asset to purchase 311
		8.4.3.2 Determining items of		8.6.1.2 Bidding process 312
		critical importance to the vendor 300		8.6.1.3 Agreement of purchase and sale 313
	8.4.4	Managing Risks 301		8.6.1.4 Due diligence 313
	8.4.5	Negotiating Price and Non-Price Simultaneously 301		 Physical condition of the building 314
	8.4.6	Negotiating Two or More Properties Concurrently 301		Environmental condition of the property 314

		· Financial review 314		8.8.10 Credits or Liabilities for
		• Market environment 315		Development Fees 331
		· Title and off-title		8.8.11 Title and Legal Issues 331
		searches 315 • Other due diligence		8.8.12 Internal Approvals Required by the Vendor 332
		categories 315		8.8.13 Municipal Agreements 332
		8.6.1.5 Closing the transaction 315		8.8.14 Issues in Marketing 332
		8.6.1.6 Financing 316		8.8.15 Timing the Sale 333
8.7	Role o	f Acquisition Research 316		8.8.16 Pricing Strategies 333
	8.7.1	Research Context 316		8.8.17 Vendor Post-Closing Risk 334
		8.7.1.1 Changed scope 317		8.8.18 Selling Strategy 334
		8.7.1.2 Data collection 317		8.8.19 Purpose of a Deposit 335
	8.7.2	Macro Considerations 318		8.8.20 Holding the Deposit 335
		8.7.2.1 Demand 318 8.7.2.2 Supply 319		8.8.21 Effect of Due Diligence on the Deposit 335
		8.7.2.3 Understanding markets 319		8.8.22 Websites, Social Media Presence
	8.7.3	Micro Considerations 320		and Building Intranets 335
	8.7.4	Research Conclusions 322	8.9	Review Questions 337
8.8	Selling	g Real Estate 323	8.10	Further Reading 339
	8.8.1	Issues in Selling 323		
	8.8.2	Vendor Pre-Sale Due Diligence 324		APTER 9
	8.8.3	Disposition: Price 326		sing: Economics and Strategies
	8.8.4	Financial Issues Associated with	9.1	Learning Objectives 340
		Selling 327	9.2	Leasing Defined 341
	8.8.5	Potential Obstacles to Receiving the		9.2.1 Purpose of a Lease 341
		Asking Price 328	9.3	Legal Elements of a Lease 341
	8.8.6	Accounting and Tax Implications 329		9.3.1 Formalities of an Offer or Agreement to Lease 342
	8.8.7	Physical Condition of the		9.3.2 Preliminary Conditions 343
		Premises 330		9.3.3 Landlord Security from Tenant 343
		8.8.7.1 Roof and other typical maintenance items 330		9.3.4 Lease Term: Formalities 344
		8.8.7.2 Curb appeal 330		9.3.4.1 Renewals and extensions of
		8.8.7.3 Defects should be remedied		lease term 344
		or disclosed 330		9.3.5 Options to Lease Additional Space 3449.3.6 Lease Covenants That Do Not Run
	8.8.8	Land Use and Regulatory Issues 331		9.3.6 Lease Covenants That Do Not Run with the Land 345
		8.8.8.1 Uses that do not conform to bylaws 331		9.3.7 Lease Distinguished from Licence 345
	8.8.9	Development or Site Plans 331		

	9.3.8	How Leases Affect Financing and Selling Price 346		Net Lease Operating Costs 367 Recovery of Landlord
	9.3.9	Importance of Lease Use Clauses 346		Capital Costs 367
	9.3.10	Covenants 347	9.4.11	Operating Cost Exclusions 369
	9.3.11	Power and Capacity of the Tenant 348	9.4.12	Administration and Management Fees 370
		9.3.11.1 Individuals 348 9.3.11.2 Trusts 349	9.4.13	Reporting and Reviewing Additional Rent 371
		9.3.11.3 Associations 349	9.4.14	Full-Occupation Gross Up 371
				ll Lease Provisions 371
		9.3.11.5 Corporations 350	9.5.1	Insurance Requirements 371
		9.3.11.6 Reviewing power and capacity 351		9.5.1.1 Landlord liability and indemnity to tenant 372
	9.3.12	Space Measurement and Rentable Area 351		9.5.1.2 Tenant liability and indemnity to landlord 373
		9.3.12.1 Assignment and sublet 352	9.5.2	Waiver of Subrogation 373
	9.3.13	Mortgages, Subordination, and Attornment 355	9.5.3	Landlord and Tenant Repair Obligations following Damage or
	9.3.14	Registration of the Lease 356		Destruction 374
9.4	Rent a	nd Rent Format Defined 357	9.5.4	Termination and Abatement of Rent following Damage or Destruction 374
	9.4.1	Rent: Gross, Semi-Gross, Net 357	9.5.5	Defaults 375
		9.4.1.1 Gross rent 358	7.5.5	9.5.5.1 Tenant monetary and non-
		9.4.1.2 Semi-gross rent 358		monetary defaults 375
		9.4.1.3 Net rent 358		9.5.5.2 Landlord defaults 375
	9.4.2		9.5.6	Tenant Repairs 376
	9.4.3	Semi-Gross Leases 359	9.5.7	Landlord Repairs 376
	9.4.4	Net Leases 359	9.5.8	Tenant Restoration 377
		9.4.4.1 Industrial 360	9.5.9	Tenant Alterations 377
		9.4.4.2 Office 361	9.5.10	Leasing Issues: Energy and Water
	0 / 5	9.4.4.3 Retail 361		Management 378
	9.4.5	Percentage Rent and Continuous Occupancy 362		9.5.10.1 Need for standard forms of lease 379
	9.4.6	Realty Tax by a Landlord from a	9.5.11	Personal Property Security 379
	0.1-	Tenant 364	9.5.12	Set-Off 380
	9.4.7	Estimating Tax and Operating Cost Recoveries in a Net Lease 365	9.5.13	Letters of Credit from a Tenant As Security 380
	9.4.8	Measurement and Proportionate Share Calculation 365	9.5.14	Leased Space Description and Boundaries 381

	9.5.14.1 Working in new space 3819.5.14.2 Working in previously	10.3		es of Funding in the Commercial age Market 405
	occupied space 382		10.3.1	Specialized Lending 405
	9.5.15 Rights of First Refusal and Rights of First Offer 382		10.3.2	Balance Sheet Lenders and Conduits 406
	9.5.16 Relocation of Tenants at Landlord's Option 384		10.3.3	Types of Commercial Real Estate Loans 407
9.6	Green Leases 384		10.3.4	Types of Canadian Lender 408
	9.6.1 Context of Green Leases 384			10.3.4.1 Canadian chartered
	9.6.2 Role of Green Leases 384			banks 408
	9.6.3 Resistance to Green Leases 386			10.3.4.2 Foreign chartered banks
	9.6.4 Defining a Green Lease 387			operating in Canada 408
	9.6.5 Two Types of Green Lease 389			10.3.4.3 Life insurance companies and pension funds 409
	9.6.6 Green Lease Examples 392			10.3.4.4 Credit unions and trust
9.7	Lease vs. Own 393			companies 409
	9.7.1 Relocation Rights: Office 3959.7.2 Restrictive Covenants: Office 395			10.3.4.5 Mortgage investment companies 409
9.8	Managing a Leasing Portfolio 396			10.3.4.6 Alternative loan
9.9	Review Questions 397			companies 410
	Further Reading 398		10.3.5	Mortgage Brokers 410
		10.4.		nderwriting Concepts 410
CHAPTER 10			-	Loan to Value (LTV) and Debt
Mor	tgage Financing: Issues and Strategies			Service Coverage (DSC) Ratios 410
10.1	Learning Objectives 399			10.4.1.1 LTV ratio 411
10.2	Introduction to Mortgage Terminology 400)		10.4.1.2 DSC ratio 411
	10.2.1 Definition of a Mortgage 400		10.4.2	Recourse vs. Non-Recourse 412
	10.2.2 Canadian Mortgage Market 400		10.4.3	Priorities 413
	10.2.3 Creation of a Mortgage 400		10.4.4	Commercial Loan Underwriting 413
	10.2.4 Amortization 400		10.4.5	Basic Criteria: The Three Cs –
	10.2.5 Contract Interest Rate 400			Character, Collateral, Covenant 414
	10.2.5.1 Fixed vs. variable interest		10.4.6	Advanced Criteria: The 10 Cs 414
	rate mortgages 401			10.4.6.1 Character 415
	10.2.5.2 Interest rate			10.4.6.2 Capacity 415
	adjustments 401			10.4.6.3 Covenant 416
	10.2.6 Term of a Mortgage 402			• Full-recourse loans 416
	10.2.7 Loan Amount 402			• Structured-recourse
	10.2.8 Payments 403			loans 416
	10.2.9 Amortization Tables 403			10.4.6.4 Capital 417

10.4.6.5 Collateral 417		Develo	Development Process 436		
10.4.6.6 Cash flow 417		11.3.1	Realizing the Development		
10.4.6.7 Coverage 418			Plan 436		
· DSC ratio 418			11.3.1.1 Seeking plan		
· LTV ratio 418			amendments 437		
10.4.6.8 Costs 418			11.3.1.2 Fostering good relationships 437		
10.4.6.9 Comparables 419		11.3.2	General Development Approach 438		
10.4.6.10 Climate 419			11.3.2.1 Developer looking for		
10.5 Lender Due Diligence 420			a site 438		
10.6 Lender Risk Management and Risk Profiling 423			 Benefits of regional focus 439 		
10.7 Lender Security 425			11.3.2.2 User looking for a site 439		
10.7.1 Primary Security 426			11.3.2.3 Developer looking to		
10.7.2 Secondary Security 426			repurpose an		
10.8 Portfolio Management 427			existing site 440		
10.8.1 Covariance 427			11.3.2.4 Long-term development to		
10.8.2 Volatility 427		7) (T =1] = -	manage risk 442		
10.8.3 Diversification 428	11.4		et Research and Analysis 443		
10.9 Mortgages from the Investor's			Defining the Market Area 443		
Perspective 428		11.4.2	Assessing Demand 444		
10.9.1 Structuring Mortgage Debt 428		11 / 2	11.4.2.1 Long-term demand 444		
10.9.1.1 Laddering 429 10.10 Review Questions 429		11.4.3	Assessing Supply and Competition 445		
10.11 Further Reading 430			11.4.3.1 Multi-family rental 445		
10.11 Turther Reduing 450			11.4.3.2 Retail shopping centre 445		
CHAPTER 11			11.4.3.3 Industrial facilities 445		
Development and Construction			11.4.3.4 Office rental 446		
11.1 Learning Objectives 431		11.4.4	Assessing Sales Volume or Leasing		
11.2 Development Fundamentals 432			Absorption Rate 446		
11.2.1 Attractions of Development 432		11.4.5	Assessing Costs 447		
11.2.2 Choosing a Location 432		11.4.6	Assessing Availability		
11.2.3 ROI Calculation 433			of Capital 448		
11.2.4 Risk and Cost 434			11.4.6.1 Bringing in equity partners 448		
11.2.4.1 Hard and soft costs 435		11.4.7			
11.2.5 Making the Development		11.4./	11.4.7.1 Trade-offs 449		
Decision 435			11.4.7.2 Mixed use may equal best		
11.2.6 Barriers to Development 436			use 449		

	11.4.8	Preliminary Financial		11.7.12 Building Permits 470		
		Feasibility 450		11.7.13 Financing Commitment		
		11.4.8.1 Feasibility studies 450		and Funding 470		
		11.4.8.2 Feasibility studies: In-house vs. consultants 452		11.7.14 Architect and Contractor Teams 472		
		Preliminary drawings 452		11.7.15 Beginning Construction 473		
11.5	Develo	pment Team 453		11.7.16 Liens 474		
	11.5.1	Legal 453		11.7.17 Payment Sequence 475		
	11.5.2	Planners 454		11.7.18 Certificate of Occupancy and		
	11.5.3	Architects and Engineers 454		Operations 476		
		11.5.3.1 Architects 454	11.8	Review Questions 477		
		11.5.3.2 Engineers 455	11.9	Further Reading 477		
	11.5.4	Sales and Marketing 455				
	11.5.5	Project Management 456		APTER 12		
	11.5.6	General Contractors 456		tfolio and Asset Management		
	11.5.7	Equity Partners 457		Learning Objectives 478		
11.6	Mixed-Use Development 457		12.2	Portfolio Theory in Real Estate:		
	11.6.1	Horizontal Severance and		Context 479		
		Strata Title 458		12.2.1 Risk and Diversification: Markowitz 479		
		11.6.1.1 Strata title 458		12.2.2 Risk and Diversification: Hamilton		
	11.6.2	Cost Sharing 459		and Heinkel 479		
	11.6.3	Shared Service Agreements 460		12.2.3 Covariance 480		
11.7	Construction 461			12.2.3.1 PIGS and BRICs 481		
	11.7.1	.7.1 Building Codes 461		12.2.4 Diversification: Top Down/Bottom		
	11.7.2	Construction Contracts in Canada:		Up 481		
		Overview 462		12.2.5 Finding a Focus 482		
	11.7.3	Tendering 463		12.2.5.1 Local development 482		
		Construction Management 464		12.2.5.2 Middle grounds 483		
	11.7.5	Fast-Track Construction 464		• East/west diversification:		
	11.7.6	Stipulated-Price and Other CCDC Construction Contracts 464		Canada 483 · North/south		
	11.7.7	Surety Bonds 466		diversification: Canada and		
	11.7.8	Retaining the Architect or Engineer 466		the U.S. 483		
	11 7 0	Design Development 468		12.2.5.3 REITs 484		
		-		12.2.5.4 Pension funds 484		
	11. / .10	Construction Drawings and Tendering 468		12.2.5.5 Expanding into the U.S. 484		
	11.7.11	Construction Contract: Budget and	12.3	Traditional Investment Styles 485 12.3.1 Classifications 485		
		Schedule 469				

		12.3.1.1 Core and core-plus 485
		12.3.1.2 Value-added 486
		12.3.1.3 Opportunistic 487
	12.3.2	Professional Investors 487
12.4	Real E	state Portfolio Management
	from a	in Institutional Perspective 488
	12.4.1	Why Real Estate Matters at the Investor Portfolio Level 488
	12.4.2	Different Portfolio Structures – Different Results 488
	12.4.3	Portfolio Management Defined 489
	12.4.4	Benefits of a Diversified Portfolio 489
	12.4.5	Linking Strategy to Acquisitions 489
12.5	Asset 1	Management: Context 490
	12.5.1	Asset Management Defined 490
	12.5.2	Purpose of Asset Ownership 491
	12.5.3	Risk 492
12.6 Asset Management: Toolkit 492		Management: Toolkit 492
	12.6.1	Asset Management Plan 492
	12.6.2	Leasing Plan 494
	12.6.3	Capital Expenditures Plan 494
	12.6.4	Hold/Sell Analysis 495
	12.6.5	Compliance with Agreements 495
	12.6.6	Planning, Budgeting and Reporting 496
12.7	Asset 1	Management: Practice 496
12.8	Review Questions 498	
12.9	Furthe	er Reading 498
Gloss	sary 4	99
	_	perty Types: Characteristics 499
	B. Real	l Estate Terminology 503

10% TCR **231**

List of Figures

Figure 1.1 Figure 2.10 Figure 6.3 Estimated Size of Global Real Wave Representation of Present Value of an Annuity Estate Investible Market 5 Market Cycles 51 Calculation 215 Figure 2.11 Figure 6.4 Figure 2.1 Circle Representation of Consumer Demand 40 Annuity Payment Market Cycles 52 Calculation 216 Figure 2.2 New Consumer Demand Figure 6.5 Figure 3.1 After the Price Decline for a Constraints on Amortization Table 216 Substitute 41 Property Rights 88 Figure 6.6 Present Value of an Uneven Figure 2.3 Figure 3.2 Old vs. New Consumer Demand Canada-U.S. Comparison of Cash Flow 217 After a Price Decline for a Constitutional Protection of Figure 6.7 Complement 42 Property Rights 91 Capitalization Rate and Figure 2.4 Figure 4.1 Equivalent PE Rates 222 New Consumer Demand for a Some Elements of the Public Figure 6.8 Normal Good After an Increase Interest in Planning 131 Capitalization Rate Analysis in Consumer Income 43 Figure 4.2 Example 223 Constitutional Division of Figure 2.5 Figure 6.9 Producer Supply After Powers 136 Selling Scenarios 224 an Increase in Production Figure 4.3 Costs 45 Figure 6.10 Stages of the Typical Capitalization Rate Development Approval Figure 2.6 Compression 225 Producer Supply After a Process 146 Decrease in Production Figure 6.11 Figure 4.4 Costs 46 Capitalization Rate Highest and Best Use -Decompression 226 Figure 2.7 Key Issues 147 Effect on Demand for Your Figure 6.12 Figure 5.1 Condo of a Competitor's Capitalization Rate Sustainability Tools Map Lower Price 48 Decompression and Figure 5.2 Leverage 227 Figure 2.8 Asset Sustainability Equilibrium 49 Figure 6.13 Process 195 Ten-Year Forecast of Net Figure 2.9 Figure 6.1 Operating Income 230 Basic Supply and Demand Present Value Calculation 213 for Rental Space in Figure 6.14 Real Estate 50 Calculating the Value of a Figure 6.2 Future Value Calculation 214 Cash Flow at a 12% DR and

Cash Flow Analysis using

ArgusTM **254**

Figure 6.15 Figure 7.5 Figure 10.4 Calculating the Value of a Office Building Valuation Using Example DSC Analysis 412 Cash Flow at a 5% DR DCF **256** Figure 10.5 and 7% TCR 232 Figure 7.6 Key Process Steps in Evaluating Figure 6.16 Estimating NOI for a Retail a Mortgage Application 420 Internal Rate of Building 260 Figure 10.6 Return (IRR) 233 Figure 7.7 Lender Due Diligence 421 Retail Building Valuation Using Figure 6.17 Figure 10.7 Leverage Scenarios 233 OCR 260 Risk and Structuring Figure 7.8 Figure 6.18 Alternatives 424 Net Effective Rent Apartment Building Valuation Figure 11.1 Example 237 Using OCR 263 General Development Analysis: Site Looking for Use 442 Figure 6.19 Figure 7.9 Net Effective Rent Seniors Housing Valuation Figure 11.2 Calculation 238 Using OCR 267 Sample Condominium Development Pro Forma 451 Figure 6.20 Figure 7.10 Land Residual Value Hotel Building Valuation Using Figure 11.3 Example **241** OCR **270** General Construction Figure 6.21 Figure 7.11 Process 467 Land Residual Value Land Residual Analysis: Figure 11.4 Calculation **241** Apartment 278 Construction Risks 474 Figure 7.1 Figure 8.1 Figure 12.1 Industrial Building Valuation Disposition Example of Three Traditional Investment Using OCR 249 Bids **326** Styles 486 Figure 7.2 Figure 10.1 Estimating NOI for an Office Excel Method to Convert Building 253 Rates from Semi-Annual Compounding to Monthly Figure 7.3 Compounding 402 Office Building Valuation Using OCR **253** Figure 10.2 Payment Calculation Figure 7.4 in Excel 403

Figure 10.3

Table 404

Sample Amortization

Chapter ____

Canadian Commercial Real Estate: Investment Context

- 1.1 Learning Objectives
- 1.2 Defining Commercial Real Estate
- 1.3 Real Estate Markets
- 1.4 Top 10 Attributes of Canadian Commercial Real Estate
- 1.5 Top 10 New Aspects of the Commercial Real Estate Market Today
- 1.6 Structure of the Canadian Commercial Real Estate Industry:10 Key Professional Roles
- 1.7 Review Questions
- 1.8 Further Reading

1.1 Learning Objectives

This book is intended as an introduction to the theory, practice and strategy of commercial real estate in Canada. After studying this textbook, readers should have a comprehensive and relatively sophisticated understanding of the Canadian commercial real estate market.

To the best of the author's knowledge, as of the date of first publication of this textbook, there is no comprehensive Canadian textbook on Canadian commercial real estate, whereas there are a multitude of investment and real estate finance textbooks available in the U.S. and Europe. We hope we are filling a need. There is, of course, much in real estate finance and economics that is universal, such as the mathematics; however, many legal structures, institutions, and practices are unique to Canada.

Part of the motivation to write a textbook on Canadian commercial real estate comes from the fact that we have not really had one before. The author, and many of his colleagues who teach real estate to undergraduate and graduate students across Canada, usually use finance and investment real estate textbooks from the U.S. Indeed, with the U.S. institutional grade market size apparently almost 40 times bigger than Canada's, one would expect the supply of U.S. real estate textbooks of all kinds to be much deeper. One of the reasons for that may be that there are so many more Masters programs in real estate, or MBA programs with specializations in real estate in the U.S. Indeed, as this book goes to press, there are few Masters of Science in Real Estate or Masters of Real Estate programs in Canada ¹. We have a few Master of Business Administration programs with real estate specializations in Canada, notably those at the Schulich School of Business at York University, the real estate specialization within the Ted Rogers School of Management program at Ryerson University,³ the new Masters program at the University of Calgary, and the Rotman School of Management at the University of Toronto.

Another part of the motivation to write a textbook on Canadian commercial real estate comes from the fact that some of this textbook originates from the author's teaching notes (i.e., a core part of many of the chapters had already been written). Surprisingly, it had been one of the most popular (free) downloads from REALPAC's website for years — disorganized and incomplete as it was.

As a result, the genesis of this textbook comes in part from availability of supply (some of it already existed), in part from perceived demand (the many downloads of the prior version), in part from altruism — a country the size of Canada with our mature market ought to have its own textbook — and in part from blind faith: if this textbook is produced, someone will find it useful. Build it and they will come.

The target audience for this book includes undergraduate and graduate students in a university or college real estate program, young practitioners entering the real estate industry and more experienced practitioners interested in a broader exposure to the fundamentals. It will be useful for beginner investors as well as for the staff of small-to-large commercial real estate organizations and service providers.

1.1.1 Structure of the Book

The title of this textbook, *Canadian Commercial Real Estate: Theory, Practice*, *Strategy*, is intended to precisely reflect its content. The book falls into two parts:

- 1. Theory: mostly in Chapters 2 to 7
- 2. Practice and strategy: mostly in Chapters 8 to 12.

¹The University of British Columbia has a Masters in Urban Land Economics, and the Schulich School of Business at York University in June 2016 announced a new Masters in Real Estate and Infrastructure starting in 2017.

² The author taught Structuring Real Estate Transactions in this program from approximately 1996 to 2001.

³ The author taught Issues in Commercial and Retail Development at the Ted Rogers School of Management, Ryerson University, 2007-2014.

1.1.1.1 Part one

The first part of the book (Chapters 2 to 7) deals with the fundamental elements of real estate. In these chapters, students gain a basic understanding of supply and demand and economic fundamentals, property rights and registration systems, planning, zoning and land use regulation, sustainability, fundamentals of real estate finance, and valuation. The only substantive areas missing from this first part are chapters on real estate taxation and real estate capital markets. These may be featured in the next edition. A student with a good understanding of Chapters 2 to 7 will have the foundation to consider the typical commercial real estate transactions represented in Chapters 8 to 11. In some ways, the elements contained in Chapters 2 to 7 can be thought of as comprising the theory of real estate. For example, economic theory applies every day in a market such as real estate. Equally, a broad understanding of the theory behind property rights and planning, the goals and philosophy of the sustainability movement, and the basic mathematical theories of real estate finance and valuation should equip the student with enough theory to navigate Canadian commercial real estate markets and, indeed, any commercial market in the world after acquiring the necessary local knowledge.

1.1.1.2 Part two

Chapters 8 to 11 deal with applying the fundamentals to buying, selling, leasing, mortgaging, developing and constructing real estate. These are the main transactional elements of commercial real estate and can be understood by applying the theoretical knowledge gained in Chapters 2 to 7 plus some knowledge of practice and strategy used in the Canadian commercial real estate marketplace. These chapters are organized to explain the main components of these transactions and the strategic considerations that go into negotiations within each transactional area. The perspectives provided by the guest authors of some of the chapters will illustrate the day-to-day job functions of real practitioners.

Chapter 12: Portfolio and Asset Management, deals with the assets held in a commercial real estate portfolio. Asset management can also be considered transactional since it involves the day-to-day decisions about what assets to buy, hold, or sell, and how to manage those assets on a daily basis to achieve defined objectives. The portfolio theory elements of Chapter 12 could also be considered as further support for the theoretical underpinnings of the whole textbook. There is considerable management science available to inform asset management and property management as well.

1.2 Defining Commercial Real Estate

Real estate is land and improvements constructed on land. Commercial real estate is:

- 1. real estate intended to be income producing
- the commercial activity of development for the sale of the end product, including activities such as residential home building for eventual sale, or the construction of industrial, retail, office, hotel, housing or residential condominiums for sale.

This text is intended to cover neither corporate owned and occupied real estate nor residential real estate once constructed and sold by the developer, although several sections will be useful for these situations as well.

Income producing real estate can come in many forms. Indeed, almost any type of real estate can be rented if someone else wants to use it but does not want to own it. The typical asset classes of income producing real estate are:

- offices
- retail shopping outlets
- · industrial properties
- apartment buildings
- hotels
- seniors housing complexes.

Most of the illustrations in this textbook deal with the core income-producing assets of office, industrial, retail and apartments.

Like most industries, real estate has its own terminology. A glossary has been included in this book to help the reader navigate non-traditional terms. The glossary includes a description of typical real estate asset classes. We have also defined terms and acronyms upon first use.

1.3 Real Estate Markets

1.3.1 Global Real Estate Market

Estimating the size of the global market in commercial real estate is a challenge. Chicago-based LaSalle Investment Management has estimated the size of the global investable real estate marketplace at US\$49.6 trillion dollars, as of Q3 2014.⁴ The segment owned by institutional public and private investors was estimated at US\$9.2 trillion dollars, and the publicly traded portion of that is estimated at US\$3.2 trillion dollars.⁵ Prudential Real Estate Investors (PREI) in its 2012 report estimated the size of the global institutional grade commercial real estate market at US\$26.6 trillion dollars.⁶ That report allocated \$9.4 trillion to Europe, \$7.5

⁴Lasalle Investment Management: Research and Strategy: Special Real Estate Issue 2015, Analysis as of Q3, 2014. "Total Investable Real Estate" means total commercial (office, retail, industrial, niche) and rented residential buildings, but excludes owner-occupied residential homes.

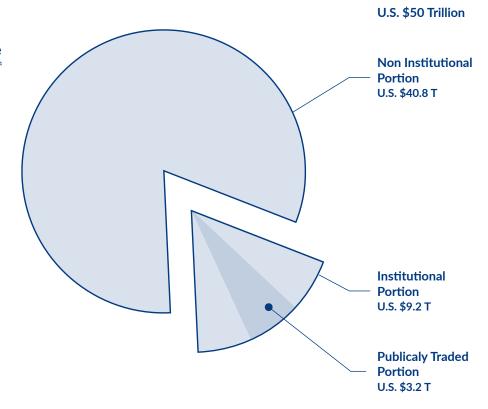
⁵ Ibid., Lasalle Investment Management.

⁶ "A Bird's Eye View of Global Real Estate Markets: 2012 Update," February 2012, Prudential Real Estate Investors, Parsippany, New Jersey. PREI is the global real estate investment arm of Prudential Financial Inc. of Newark. New Jersey.

trillion to Canada and the U.S., and \$7.2 trillion to the Asia Pacific region, with Latin America having \$1.8 trillion and the Gulf states \$677 billion. In that report, the U.S. had \$6.75 trillion of the \$7.5 trillion North American total, and Canada \$784 billion.

Figure 1.1:

Estimated Size of
Global Real Estate
Investible Market



REALPAC ⁷ has analyzed the methodologies of assessing the size of investable markets by country, and found two main approaches: a top-down and a bottom-up approach. The top-down approach, which LaSalle and others seem generally to use, applies a formula to a country's gross domestic product to estimate the size of the institutional grade real estate investment market, with adjustments for the maturity of each market. Some countries have tried to apply a bottom-up approach, which generally involves counting every commercial building and estimating value to get at a total. In some cases, city- and town-level estimates are used. This approach is tedious and may have its own subjectivities.⁸

⁷ REALPAC is a trade association representing the interests of the public and institutional real estate industry in Canada. Members include representatives from the real estate industry and REITs as well as from banks, pension funds and insurance companies with real estate assets in excess of \$100 million.

⁸ "Estimations of the Size of Investible Real Estate Markets: Comparative Literature Review", REALPAC, Toronto, Canada, September 2014.

The FTSE/EPRA/NAREIT Global Index Series ⁹ of publicly traded real estate securities contains just over US\$2 trillion dollars ¹⁰ in real estate securities traded on various stock exchanges around the world as at Q4, 2014. If we assume the PREI global total (US\$26.6 trillion) is all investable real estate, then the public markets were less than 8% of that in 2014. The rest was in the hands of private investors or funds. This is a big market. There is also much more that can be securitized into public markets.

1.3.2 Canadian Commercial Real Estate Market

Although Canada is a small nation in economic terms relative to the U.S., Europe and Asia, it has a sophisticated and mature real estate market. By mature we mean that the dominant players in the Canadian commercial real estate market are not wealthy families as one might find in some developing nations, but publicly traded corporations, pension funds, life insurance companies, real estate investment trusts (REITs) and other pools of professionally managed capital. To be sure, there are still many wealthy individuals and families invested deeply in real estate throughout Canada, but many have also sold their assets to a public entity, or taken their company public so as to allow further growth through access to public capital markets.

Data on the size of the commercial real estate market (as opposed to the institutional grade market) in Canada, and therefore Canada as a percentage of the global commercial real estate market, sourced from within Canada, is annoyingly difficult to come by without using a top-down approach. Statistics Canada does not keep nor seek out particular data on the size or value of the commercial real estate market generally. The Canada Mortgage and Housing Corporation (CMHC) has reasonably good data on the apartment sector only. Aggregating broker market-area reports from major urban centers would be a start, but might not cover enough of the Canadian market to be useful. However, larger institutional investors tend to focus on larger markets such as the six or eight largest cities in Canada; others may focus regionally or have a suburban strategy. Knowing the size of the market based on reliable data would enable investors to better understand market share and more precisely manage over-investment and under-investment in a given market.

Commercial real estate is a large part of the Canadian economy. REALPAC commissioned a report in 2012 that conservatively suggested the Canadian commercial real estate sector produces:

- over \$60 billion in annual economic activity
- approximately 340,000 jobs
- \$7.2 billion in personal and corporate income tax revenue annually
- \$18.1 billion in earned income annually.

⁹The FTSE/ESPRA/NAREIT Index Series measures general worldwide trends in the equities of companies owning, disposing of and developing income producing real estate.

¹⁰ www.epra.org (accessed December 25, 2014).

¹¹ The "top down" approach as discussed in footnote 8 above.

Construction taken together with real estate is likely one of the two or three biggest industries in Canada.

1.4 Top 10 Attributes of Canadian Commercial Real Estate

The purpose of studying real estate management as a science is to understand the business of commercial real estate and to train people to acquire, develop, sell, finance, lease and manage commercial real estate for both income and, hopefully, capital appreciation through both up and down cycles. Society benefits when a country's real estate is well developed and well managed because it supports all economic activity. Canada is no exception.

The top 10 attributes of Canadian commercial real estate are:

- 1. relatively small market
- 2. investability
- 3. physicality
- 4. adaptability
- 5. collateral
- 6. mortgages
- 7. profitability
- 8. risk of loss
- 9. strong banking system
- 10. people and reputations.

1.4.1 Relatively Small Market

The Canadian commercial real estate market is large to Canadians but small in relation to the global market. With US\$784 billion of institutional grade real estate (the PREI number referenced above), there is much to choose from in Canada. On the other hand, Apple Inc. had a market capitalization of US\$735 billion as at June 2015. If Canada's institutional grade real estate market is 1/10 the size of the U.S. institutional–grade real estate market, ¹² Canada's market size should be US\$2.6 trillion. As it is, Canada is not even 1/20 of the U.S. institutional grade real estate market; it is actually closer to 1/40 if we agree with the PREI numbers. Canada is not a big country for investment–grade real estate according to those PREI numbers. This suggests Canadians would benefit from making investments in real estate outside their borders.

1.4.2 Investability

The Canadian real estate market may be small by world standards but offers ample opportunity for investment. Those with capital seeking a return on investment can purchase income producing real estate and obtain a yield and perhaps capital

¹² The 1/10 fraction represents the relative populations of the two countries.

appreciation as time goes by. Traditionally, well-maintained real estate is a good inflation hedge.¹³ In most cases, capital appreciation can be enhanced by appropriate additional capital investment, active and intelligent management, careful leasing and proper ongoing maintenance. On the other hand, capital appreciation is not guaranteed. Students must understand that most real estate markets are cyclical, reflecting the ups and downs of the economy at large or, in some situations, unique market ups and downs based on local overbuilding, poor management, regional economic events, a significant immediate drop in local demand, and the like. Prudent investors diversify their investments to avoid or minimize the effect of down cycles; declines in value in one area or asset class can be offset by stability in the other areas or asset classes and leave enough equity or cash on hand to enable the investor to ride out the down cycles.

1.4.3 Physicality

The physicality of commercial real estate is very evident in Canada with its diverse geography, climate, businesses and industries, cities and countryside. You can see real estate. You can touch real estate. You can drive by real estate. You can show real estate to your family. You can show real estate to your banker. It has been estimated that 70% of the world's wealth is tied up in real estate. Real estate cannot be made obsolete by a better invention (although it may be made less valuable).

1.4.4 Adaptability

Canadian commercial real estate has proven to be very adaptable as industry and commerce have changed and the population increased. Buildings are built and rebuilt and densities have increased in urban centres. The layout or appearance of commercial real estate changes as properties are repurposed and the quality of property can be upgraded as new technologies enter the marketplace. On the other hand, buildings can depreciate to the extent they become functionally obsolete, accumulate a large amount of deferred maintenance or fall into disrepair. Property can become locationally obsolete for an intended use. Adaptability goes both ways: owners can add value or subtract value.

¹³ Real estate generally performs as an effective inflation hedge if markets are in balance, according to the work of Charles H. Wurtzebach, Glen R. Mueller, and Donna Machi, "The Impact of Inflation and Vacancy of Real Estate Return", p. 153, the *Journal of Real Estate Research*, Summer 1991. More recently, "Commercial Real Estate has handily beaten inflation except during periods of severe supply gluts brought about by too much construction or a collapse in demand": Martha S. Peyton, "Is Commercial Real Estate an Inflation Hedge?", Real Estate Issues, Volume 36, No. 3, 2011, at p. 37.

¹⁴ http://www.unpri.org/whatsnew/unep-fi-launches-corporate-real-estate-sustainability-management-framework-for-the-financial-industry/ (accessed June 22, 2015).

¹⁵ Subject to local planning regulation.

1.4.5 Collateral

Canadian commercial real estate is good security for a loan. Many sources of domestic and international financing exist for good real estate. Public equity for real estate is sourced in Canada through stock markets, primarily the Toronto Stock Exchange. Private equity might be sourced through family and friends or small syndications or from professional investors. Public debt may be sourced through bonds and commercial mortgage–backed securities that may trade on a public stock exchange. Private debt such as a mortgage may also be used. Typically, a purchaser may be able to obtain first or second mortgage financing from a bank, credit union, private lender or a life insurance company. A mortgage broker can often assist in finding the best mortgage "fit."

1.4.6 Mortgages

A strong mortgage market is essential for financing commercial real estate and the Canadian market is huge. As of May 2014, the disclosed institutional commercial mortgage market in Canada was estimated at approximately \$145 billion. In other words, this was the amount of loans outstanding by institutional lenders secured against commercial real estate in Canada. Given the size of the Canadian institutional grade real estate market (estimated by PREI above at US\$784 billion in 2011), less than 20% for institutional grade commercial property in Canada was funded by institutional grade lenders in 2013.

1.4.7 Profitability

Canada is an excellent country in which to invest in real estate. The country is politically stable and federal, provincial and municipal laws encourage growth while systematically guiding rational development of residential areas, commerce and industry. As with all investments, there is both opportunity and risk in commercial real estate. There is opportunity because of the ability to add value through physical improvements to land. There is the ability to add value through regulatory approvals to land (such as by increasing permitted height and/or density, or changing permitted uses to a use more highly valued in the marketplace). There are opportunities to benefit from increasing rents to the extent there is scarcity of supply (or excess demand) in a given market for that particular use or location. There is the ability to achieve capital gains if inflation makes substitute properties more expensive or if the market demand for the rent generated by the building increases the value of the building.

¹⁶ Crowdfunding is limited in many ways (as at September 2015). REALPAC released a preliminary analysis in March 2016.

¹⁷ Cynthia Holmes and REALPAC, 2014 Canadian Institutional Commercial Market Report (Toronto: REALPAC, 2014).

¹⁸ It would be unclear how much private debt, not counted in the REALPAC study, would add to the institutional grade debt.

1.4.8 Risk of Loss

Risk of loss is a normal business risk. In Canada, the last major real estate recession occurred in the 1990–1994 period, with shorter economic shocks in 2000–2002 and 2007–2008. In the 1990–1994 period, the combination of a broad market recession, massive overbuilding in office real estate in many Canadian markets (especially Toronto), highly leveraged borrowers and undisciplined market activity, as well as a rapid increase in interest rates, led to a partial collapse of commercial real estate as an asset class in many cities. In that recession, many landowners lost their equity and indeed were forced to forfeit their properties to their lender, many of whom also lost money. Indeed, many Canadian trust companies were wiped out by real estate losses in the 1990–1994 period.

1.4.9 Strong Banking System

In 2014, the World Economic Forum voted Canada's banking system the best in the world for the seventh year in a row. ¹⁹ Strong banks help stabilize real estate. Many younger Canadians employed in today's commercial real estate market have never lived through a major recession that drastically impacts commercial real estate. The global financial crisis of 2007–2008 barely impacted Canadian commercial real estate, except for a short period of time in 2008 when capital markets froze. Otherwise Canada experienced no material diminution of lending activity overall, no fire sales of assets, and no spikes in mortgage defaults similar to the defaults that occurred in the U.S. during 2007–2009. The Canadian real estate market indeed benefits from the most stable and responsible banking system in the world.

1.4.10 People and Reputations

Although commercial real estate is made up of land and buildings, it is really a business about people, for people and by people: giving people a place to live; giving people a place to work and shop; giving people places to go; giving places life – places that are attractive to people draw renters and generate higher rents; those that do not, generally do not rent well, or rent at a lower price point.

Those needs change over time, reflecting changing societal priorities, technological advancement, and economics. Low-ceiling-height industrial was made obsolete by lift trucks that could lift pallets of goods higher. Newer industrial facilities now have ceiling heights approaching 40 feet. Strip retail and main-street ²⁰ retail were overtaken (at least for a time) by modern enclosed (and air conditioned) indoor shopping malls. Older brick office and other buildings with fixed interior concrete walls were made obsolete by steel and concrete office towers with clear longer spans between the elevator and the external windows, and movable partitions. Elevators and air conditioning made obsolete those buildings that did not have them.

¹⁹ http://www.fin.gc.ca/n14/14-114-eng.asp (accessed April 14, 2016).

²⁰ In Europe, main street retail is often called "high street" retail.