# Contents

Acknowledgments ix

1 Capital Budgeting: An Overview 1  
*H. Kent Baker and Philip English*

**PART I  Foundation and Key Concepts** 17

2 Corporate Strategy and Investment Decisions 19  
*Daniel Ferreira*

3 Corporate Governance and Investment Decisions 37  
*Fodil Adjouad, Dorra Charfi, and Lamia Chourou*

**PART II  Capital Investment Choice** 57

4 Measuring Investment Value: Free Cash Flow, Net Present Value, and Economic Value Added 59  
*Tom Arnold and Terry Nixon*

5 Alternative Methods of Evaluating Capital Investments 79  
*Tom Arnold and Terry Nixon*

6 Capital Rationing for Capital Budgeting 95  
*Alexander Brüggen*

7 Analyzing Foreign Investments 111  
*Wim Westerman and John Henry Hall*

8 Postcompletion Auditing of Capital Investments 131  
*Jari Huikku*
Contents

9 Capital Budgeting Techniques in Practice: U.S. Survey Evidence 151
   Tarun K. Mukherjee and Naseem M. Al Rahahleh

PART III  Project Cash Flows and Inflation 173

10 Estimating Project Cash Flows 175
   Kyle Meyer and Halil Kiymaz

11 Capital Budgeting and Inflation 197
   Ignacio Vélez-Pareja and Joseph Tham

PART IV  Risk and Investment Choice 215

12 Basic Risk Adjustment Techniques in Capital Budgeting 217
   John H. Hall and Wim Westerman

13 Capital Budgeting with Political/Country Risk 241
   Yacine Belghitar and Ephraim Clark

14 Risk Management in Project Finance 259
   Stefano Gatti and Stefano Caselli

15 Risk Simulation Concepts and Methods 279
   Tom Arnold and David North

PART V  Real Options and Project Analysis 299

16 Real Options Analysis: An Introduction 301
   Tom Arnold and Bonnie Buchanan

17 Applications of Real Options Analysis 321
   Tom Arnold and Bonnie Buchanan

PART VI  Estimating the Project Cost of Capital 337

18 Cost of Capital: An Introduction 339
   Octavian Ionici, Kenneth Small, and Frank D’Souza

19 Using the Capital Asset Pricing Model and Arbitrage Pricing Theory in Capital Budgeting 363
   S. David Young and Samir Saadi
CONTENTS

20 Financing Mix and Project Valuation: Alternative Methods and Possible Adjustments 381
  Alex Pierru and Denis Babusiaux

PART VII Special Topics 403

21 Capital Budgeting for Government Entities 405
  Davina F. Jacobs

22 Decision Making Using Behavioral Finance for Capital Budgeting 421
  Yuri Biondi and Giuseppe Marzo

23 Merger and Acquisition Pricing: The Valuation of Synergy 445
  Rainer Lenz

24 Multicriteria Analysis for Capital Budgeting 463
  Fernando R. Fernholz

Answers to Discussion Questions 483

Index 507