

Table of Contents

Preface	xxi
CHAPTER 1	
The Theoretical Framework – Recognition of Financial Instruments	1
1.1 Accounting Categories for Financial Assets	2
1.1.1 Financial Asset Categories	2
1.1.2 Financial Assets at Amortised Cost	2
1.1.3 Financial Assets at Fair Value through Other Comprehensive Income	6
1.1.4 Financial Assets at Fair Value through Profit or Loss	6
1.1.5 Financial Assets – Initial and Subsequent Recognition	6
1.1.6 Reclassifications	10
1.2 The Amortised Cost Calculation: Effective Interest Rate	11
1.2.1 Example of Effective Interest Rate Calculation – Fixed Rate Bond	12
1.2.2 Effective Interest Rate Calculation – Floating Rate Debt	13
1.3 Examples of Accounting for Fixed Rate Bonds	14
1.3.1 Example of a Fixed Rate Bond at Amortised Cost	14
1.3.2 Example of a Fixed Rate Bond Recognised at FVOCI	15
1.4 Accounting Categories For Financial Liabilities	16
1.4.1 Financial Liability Categories	16
1.4.2 Partial Repurchases of Financial Liabilities	17
1.4.3 Changes in Credit Risk in Financial Liabilities at FVTPL	17
1.5 The Fair Value Option	19
1.6 Hybrid And Compound Contracts	19
1.6.1 Embedded Derivatives in Assets or Liabilities – Hybrid Instruments	19
1.6.2 Liability Compound Instruments	22
CHAPTER 2	
The Theoretical Framework – Hedge Accounting	23
2.1 Hedge Accounting – Types of Hedges	23
2.1.1 Derivative Definition	23
2.1.2 Hedge Accounting	24

2.1.3 Accounting for Derivatives	25
2.1.4 Undesignated or Speculative	25
2.2 Types of Hedges	25
2.2.1 Fair Value Hedge	25
2.2.2 Cash Flow Hedge	27
2.2.3 Net Investment Hedge	29
2.3 Hedged Item Candidates	30
2.3.1 Hedged Item Candidates	30
2.3.2 Forecast Transaction versus Firm Commitment	35
2.4 Hedging Instrument Candidates	36
2.5 Hedging Relationship Documentation	37
2.6 Hedge Effectiveness Assessment	39
2.6.1 Qualifying Criteria for Hedge Accounting	39
2.6.2 Hedge Ratio	40
2.6.3 Effectiveness Assessment	41
2.6.4 Effectiveness Assessment Methods	41
2.6.5 The Critical Terms Method	42
2.6.6 The Simple Scenario Analysis Method	42
2.6.7 The Regression Analysis Method	44
2.6.8 The Monte Carlo Simulation Method	46
2.6.9 Suggestions Regarding the Assessment Methods	47
2.7 The Hypothetical Derivative Simplification	48
2.8 Rebalancing	49
2.8.1 Accounting for Rebalancings	50
2.9 Discontinuation of Hedge Accounting	53
2.10 Options And Hedge Accounting	57
2.10.1 Intrinsic Value versus Time Value	57
2.10.2 In-, At- or Out-of-the-Money	59
2.10.3 Accounting Treatment for the Time Value of Options	59
2.10.4 Example of Option Hedging a Transaction Related Item – Actual Time Value Exceeding Aligned Time Value	62
2.10.5 Example of Option Hedging a Transaction Related Item – Actual Time Value Lower Than Aligned Time Value	63
2.10.6 Example of Option Hedging a Time-Period Related Item – Actual Time Value Exceeding Aligned Time Value	65
2.10.7 Example of Option Hedging a Time-Period Related Item – Actual Time Value Lower Than Aligned Time Value	67
2.10.8 Written Options	69
2.11 Forwards and Hedge Accounting	70

CHAPTER 3

Fair Valuation – Credit and Debit Valuation Adjustments

3.1 Fair Valuation – Overview of IFRS 13	71
3.1.1 Definition of Fair Value	72
3.1.2 Fair Value Hierarchy	74
3.1.3 Level 1 Financial Instruments	74
3.1.4 Level 2 Financial Instruments	75

3.1.5	Level 3 Financial Instruments	76
3.1.6	Mid-to-Bid and Mid-to-Offer Adjustments	77
3.1.7	Credit and Debit Valuation Adjustment	78
3.1.8	Funding Valuation Adjustment	78
3.1.9	Model Uncertainty Adjustment	79
3.1.10	Day 1 Profit (or Loss)	79
3.2	Case Study – Credit Valuation Adjustment of an Interest Rate Swap	80
3.2.1	Simple One-Period Model of Default	80
3.2.2	Working Example of CVA in a Swap	82
3.2.3	Debit Valuation Adjustments	86
3.2.4	Combining CVA and DVA	86
3.2.5	Calculating CVA and DVA Using Monte Carlo Simulation	87
3.3	Overnight Index Swap Discounting	95

CHAPTER 4

An Introduction to Derivative Instruments

97

4.1	FX Forwards	97
4.1.1	Product Description	97
4.1.2	Forward Points	99
4.2	Interest Rate Swaps	99
4.2.1	Product Description	99
4.2.2	IFRS 9 Accounting Implications	101
4.3	Cross-Currency Swaps	102
4.3.1	Product Description	102
4.3.2	IFRS 9 Accounting Implications	104
4.4	Standard (Vanilla) Options	105
4.4.1	Product Description	105
4.4.2	Standard Equity Options	105
4.4.3	Standard Foreign Exchange Options	111
4.4.4	Interest Rate Options – Caps, Floors and Collars	115
4.5	Exotic Options	118
4.6	Barrier Options	119
4.6.1	Knock-out Barrier Options – Product Description	119
4.6.2	Knock-in Barrier Options – Product Description	120
4.7	Range Accruals	121

CHAPTER 5

Hedging Foreign Exchange Risk

123

5.1	Types of Foreign Exchange Exposure	123
5.2	Introductory Definitions	124
5.2.1	Functional Currency and Presentation Currency	124
5.2.2	Relevant Dates in an FX Transaction	125
5.3	Summary of IAS 21 Translation Rates	125
5.3.1	Monetary versus Non-monetary Items	125
5.3.2	Translation Rates	125

5.4 Foreign Currency Transactions	126
5.4.1 Summary of Most Commonly Used FX Derivatives	126
5.5 Case Study: Hedging A Forecast Sale and Subsequent Receivable with an FX Forward (Forward Element Included in Hedging Relationship)	128
5.5.1 Background	128
5.5.2 Setting the Hedging Relationship Term	128
5.5.3 Hedging Relationship Documentation	131
5.5.4 Hedge Effectiveness Assessment – Hypothetical Derivative	132
5.5.5 Hedge Effectiveness Assessment Performed at Hedge Inception	133
5.5.6 Fair Valuation of Hedged Item and Hypothetical Derivative at the Relevant Dates	134
5.5.7 Accounting Entries – Hedge Objective Unchanged: No Discontinuation	136
5.5.8 Accounting Entries – Hedge Risk Management Objective Changed: Discontinuation	139
5.6 Case Study: Hedging a Forecast Sale with an FX Forward	141
5.6.1 Setting the Hedging Relationship Term	142
5.6.2 Hedging Relationship Documentation	143
5.6.3 Hedge Effectiveness Assessment	143
5.6.4 Hedge Effectiveness Assessment Performed at Hedge Inception	145
5.6.5 Fair Valuation of Hedged Item and Hypothetical Derivative at the Relevant Dates	146
5.6.6 Accounting Entries When the Forward Element is Included in the Hedging Relationship	147
5.6.7 Accounting Election When the Forward Element is Excluded from the Hedging Relationship	151
5.6.8 Accounting When the Forward Element is Excluded from the Hedging Relationship and Recognised in Profit or Loss	151
5.6.9 Accounting When the Forward Element is Excluded from the Hedging Relationship and Aligned Portion Temporarily Recognised in OCI	156
5.6.10 Final Remarks: Inclusion versus Exclusion of the Forward Element	162
5.7 Case Study: Hedging a Forecast Sale and Subsequent Receivable with a Tunnel	163
5.7.1 Hedging Relationship Documentation	166
5.7.2 Hedge Effectiveness Assessment	167
5.7.3 Hedge Effectiveness Assessment Performed at Hedge Inception	168
5.7.4 Fair Valuation of Hedged Item and Hypothetical Derivative at the Relevant Dates	170
5.7.5 Calculation of Effective and Ineffective Amounts	173
5.7.6 Accounting Entries	175
5.7.7 Accounting Entries – Discontinuation by Changing Risk Management Objective	178
5.7.8 Final Remarks	180
5.8 Case Study: Hedging A Forecast Sale and Subsequent Receivable with a Participating Forward	180
5.8.1 Participating Forward Hedge Accounting Issues	182

5.8.2 Alternative 1: Participating Forward Split into a Forward and an Option	182
5.8.3 Alternative 2(a): Participating Forward in its Entirety	201
5.8.4 Alternative 2(b): Participating Forward in its Entirety – Readjusting the Hedge Ratio	211
5.9 Case Study: Hedging a Highly Expected Foreign Sale with a Knock-In Forward (Introduction)	222
5.9.1 Accounting Optimisation of the Knock-in Forward	225
5.10 Case Study: Hedging a Forecast Sale And Subsequent Receivable with a Knock-In Forward (Splitting Alternative)	226
5.10.1 Terms of the Split into a Forward and a Knock-out Option	227
5.10.2 Hedging Relationship Documentation	228
5.10.3 Hedge Effectiveness Assessment	229
5.10.4 Hedge Effectiveness Assessment Performed at Hedge Inception	231
5.10.5 Fair Valuations of Derivative Contracts and Hypothetical Derivative at the Relevant Dates	233
5.10.6 Calculation of Effective and Ineffective Amounts	234
5.10.7 Accounting Entries	235
5.11 Case Study: Hedging A Forecast Sale and Subsequent Receivable with a Knock-In Forward (Instrument In Its Entirety)	238
5.11.1 Hedging Relationship Documentation	238
5.11.2 Hedge Effectiveness Assessment	239
5.11.3 Hedge Effectiveness Assessment Performed at Hedge Inception	240
5.11.4 Fair Valuations of Hedging Instrument and Hypothetical Derivative at the Relevant Dates	242
5.11.5 Calculation of Effective and Ineffective Amounts	243
5.11.6 Accounting Entries	243
5.12 Case Study: Hedging A Forecast Sale and Subsequent Receivable with a Knock-In Forward (Rebalancing Approach)	246
5.12.1 Quantity of Hedged Item Estimation	246
5.12.2 Hedging Relationship Documentation	249
5.12.3 Hedge Effectiveness Assessment	250
5.12.4 Hedge Effectiveness Assessment Performed at Hedge Inception	250
5.12.5 Fair Valuations at the Relevant Dates	253
5.12.6 Effective and Ineffective Amounts at the Relevant Dates	253
5.12.7 Accounting Entries	254
5.13 Case Study: Hedging A Highly Expected Foreign Sale with a Kiko Forward	257
5.13.1 Hedge Accounting Optimisation	259
5.13.2 Hedge Accounting Application for Approach 1 – Forward plus Residual Derivative	262
5.13.3 Hedging Relationship Documentation	262
5.13.4 Hedge Effectiveness Assessment Performed at Hedge Inception	262
5.13.5 Fair Valuations of Derivative Contracts and Hypothetical Derivative at the Relevant Dates	264
5.13.6 Accounting Entries	266
5.13.7 Additional Remarks	269

5.14 Case Study: Hedging A Forecast Sale and Subsequent Receivable with a Range Accrual (Part 1)	270
5.15 Case Study: Hedging A Forecast Sale and Subsequent Receivable with a Range Accrual (Designation In Its Entirety)	272
5.15.1 Hedging Relationship Documentation	272
5.15.2 Hedge Effectiveness Assessment	274
5.15.3 Hedge Effectiveness Assessment Performed at Hedge Inception	275
5.15.4 Fair Valuations and Calculations of Effective/Ineffective Amounts	276
5.15.5 Accounting Entries	279
5.16 Case Study: Hedging Forecast Sale and Subsequent Receivable with a Range Accrual (Splitting Approach)	282
5.16.1 Accounting Entries	283
5.16.2 Final Remarks	286
5.17 Hedging On A Group Basis – The Treasury Centre Challenge	287
5.17.1 Accounting Implications at Subsidiary Level	289
5.17.2 Accounting Implications at Consolidated Level	290
5.18 Hedging Forecast Intragroup Transactions	292
5.18.1 Example of Hedge of Forecast Intragroup Transaction	293

CHAPTER 6

Hedging Foreign Subsidiaries

295

6.1 Stand-Alone Versus Consolidated Financial Statements	297
6.1.1 Subsidiary Financial Statements	297
6.1.2 Parent-Only Financial Statements	297
6.1.3 Consolidated Financial Statements	298
6.2 The Translation Process	298
6.2.1 Basic Procedures prior to Translation	299
6.2.2 Specific Translation Procedures	299
6.2.3 Hyperinflationary Economies	300
6.3 The Translation Differences Account	300
6.4 Special Items That Are Part of a Net Investment	301
6.4.1 Goodwill and Fair Value Adjustments	301
6.4.2 Long-Term Investments in a Foreign Subsidiary	301
6.4.3 Disposal of a Foreign Operation	303
6.5 Effect Of Minority Interests on Translation Differences	303
6.6 Hedging Net Investments In Foreign Operations	303
6.6.1 Net Investment Hedge Issuing Foreign Currency Debt	304
6.6.2 Net Investment Hedge Using Derivatives	304
6.7 Case Study: Accounting for Net Investments In Foreign Operations	304
6.7.1 Elements of the Net Assets of a Foreign Subsidiary	305
6.7.2 Translation Process on Acquisition Date	306
6.7.3 Translation Process on First Reporting Date	307

6.8 Case Study: Net Investment Hedge with a Forward	311
6.8.1 Hedging Relationship Documentation	311
6.8.2 Hedge Effectiveness Assessment	312
6.8.3 Hedge Effectiveness Assessment Performed at Hedge Inception	313
6.8.4 Fair Values and Calculation of Effective and Ineffective Amounts	314
6.8.5 Accounting Entries – Forward Points Included in Hedging Relationship	316
6.8.6 Accounting Entries – Forward Points Excluded from Hedging Relationship	317
6.8.7 Implications of the FX Forward Points	320
6.9 Case Study: Net Investment Hedge Using Foreign Currency Debt	322
6.9.1 Hedging Relationship Documentation	322
6.9.2 Hedge Effectiveness Assessment	323
6.9.3 Hedge Effectiveness Assessment Performed at Hedge Inception	324
6.9.4 Other Relevant Information	325
6.9.5 Accounting Entries	326
6.9.6 Final Remarks	328
6.10 Net Investment Hedging With Cross-Currency Swaps	328
6.11 Case Study: Net Investment Hedge with a Floating-To-Floating Cross-Currency Swap	329
6.11.1 Hedging Relationship Documentation	330
6.11.2 Hedge Effectiveness Assessment	331
6.11.3 Hedge Effectiveness Assessment Performed at Hedge Inception	332
6.11.4 Other Relevant Information	332
6.11.5 Accounting Entries	334
6.11.6 Final Remarks	335
6.12 Case Study: Net Investment Hedge with a Fixed-To-Fixed Cross-Currency Swap	336
6.12.1 Hedging Relationship Documentation	337
6.12.2 Hedge Effectiveness Assessment	337
6.12.3 Hedge Effectiveness Assessment Performed at Hedge Inception	338
6.12.4 Other Relevant Information	340
6.12.5 Accounting Entries	342
6.13 Case Study: Hedging Intragroup Foreign Dividends	344
6.13.1 Effects of Intercompany Foreign Dividends on Individual and Consolidated Statements	344
6.13.2 Hedging Intercompany Foreign Dividends with an FX Forward	349
6.14 Case Study: Hedging Foreign Subsidiary Earnings	353
6.14.1 Hedging Relationship Documentation	356
6.14.2 Hedge Effectiveness Assessment	356
6.14.3 Hedge Effectiveness Assessment Performed at Hedge Inception	357
6.14.4 Other Relevant Information	358
6.14.5 Accounting Entries	359
6.14.6 Final Remarks	363
6.15 Case Study: Integral Hedging of an Investment in a Foreign Operation	364

CHAPTER 7

Hedging Interest Rate Risk	371
7.1 Common Interest Rate Hedging Strategies	371
7.2 Separation Of Embedded Derivatives in Structured Debt Instruments	373
7.3 Interest Accruals	375
7.4 Most Common Interest Rate Derivative Instruments	376
7.5 Case Study: Hedging a Floating Rate Liability With an Interest Rate Swap	376
7.5.1 Hedging Relationship Documentation	377
7.5.2 Hedge Effectiveness Assessment	378
7.5.3 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	379
7.5.4 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	380
7.5.5 Accounting Entries	382
7.5.5 Final Remarks	385
7.6 Case Study: Hedging A Floating Rate Liability With a Zero-Cost Collar	385
7.6.1 Hedging Relationship Documentation	387
7.6.2 Hedge Effectiveness Assessment	388
7.6.3 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	389
7.6.4 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	390
7.6.5 Accounting Entries	394
7.6.6 Final Remarks	396
7.7 Implications of Interest Accruals and Credit Spreads	397
7.7.1 Background Information	397
7.7.2 Credit Spread and Hedge Accounting	399
7.7.3 Interest Accruals and Fair Valuations	399
7.8 Case Study: Hedging a Fixed Rate Liability With an Interest Rate Swap	401
7.8.1 Background Information	402
7.8.2 Hedging Relationship Documentation	403
7.8.3 Hedge Effectiveness Assessment	404
7.8.4 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	405
7.8.5 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	406
7.8.6 Accounting Entries	410
7.8.7 Concluding Remarks	416
7.9 Case Study: Hedging A Future Fixed Rate Issuance with an Interest Rate Swap	416
7.9.1 Background Information	416
7.9.2 Hedging Relationship Documentation	418
7.9.3 Hedge Effectiveness Assessment	418
7.9.4 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	420

7.9.5 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	421
7.9.6 Accounting Entries	422
7.9.7 Concluding Remarks	425
7.10 Case Study: Hedging A Future Floating Rate Issuance with an Interest Rate Swap	426
7.10.1 Background Information	426
7.10.2 Hedging Relationship Documentation	427
7.10.3 Hedge Effectiveness Assessment	428
7.10.4 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	430
7.10.5 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	430
7.10.6 Accounting Entries	432
7.10.7 Concluding Remarks	435
7.11 Case Study: Hedging A Fixed Rate Liability with a Swap In Arrears	436
7.11.1 Background Information	437
7.11.2 Hedging Relationship Documentation	438
7.11.3 Hedge Effectiveness Assessment	439
7.11.4 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	440
7.11.5 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	442
7.11.6 Accounting Entries	445
7.11.7 Concluding Remarks	448
7.12 Case Study: Hedging A Floating Rate Liability with a Kiko Collar	448
7.12.1 Background Information	449
7.12.2 Split between Hedge Accounting Compliant Derivative and Residual Derivative	451
7.12.3 Hedging Relationship Documentation	453
7.12.4 Hedge Effectiveness Assessment	454
7.12.5 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	456
7.12.6 Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	457
7.12.7 Accounting Entries	463
7.12.8 Concluding Remarks	467

CHAPTER 8

Hedging Foreign Currency Liabilities

469

8.1 Case Study: Hedging a Floating Rate Foreign Currency Liability with a Receive-Floating Pay-Floating Cross-Currency Swap	469
8.1.1 Background Information	470
8.1.2 Determining Risk Components to Include in the Hedging Relationship	472

8.1.3	Hedging Relationship Documentation	472
8.1.4	Hedge Effectiveness Assessment	473
8.1.5	Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	474
8.1.6	Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	475
8.1.7	Accounting Entries	482
8.1.8	Concluding Remarks	493
8.2	Case Study: Hedging a Fixed Rate Foreign Currency Liability with a Receive-Fixed Pay-Floating Cross-Currency Swap	493
8.2.1	Background Information	494
8.2.2	Hedging Relationship Documentation	496
8.2.3	Hedge Effectiveness Assessment	496
8.2.4	Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	497
8.2.5	Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	499
8.2.6	Accounting Entries	505
8.2.7	Concluding Remarks	515
8.3	Case Study: Hedging A Floating Rate Foreign Currency Liability with a Receive-Floating Pay-Fixed Cross-Currency Swap	515
8.3.1	Background Information	516
8.3.2	Hedging Relationship Documentation	518
8.3.3	Hedge Effectiveness Assessment	518
8.3.4	Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	520
8.3.5	Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	521
8.3.6	Accounting Entries	528
8.3.7	Concluding Remarks	538
8.4	Case Study: Hedging A Fixed Rate Foreign Currency Liability with a Receive-Fixed Pay-Fixed Cross-Currency Swap	538
8.4.1	Background Information	538
8.4.2	Hedging Relationship Documentation	540
8.4.3	Hedge Effectiveness Assessment	541
8.4.4	Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	542
8.4.5	Fair Valuations, Effective/Ineffective Amounts and Cash Flow Calculations	543
8.4.6	Accounting Entries	551
8.4.7	Concluding Remarks	561

CHAPTER 9

Hedging Equity Risk

9.1	Recognition of Equity Investments In Other Companies	563
9.1.1	Hedging Investments Consolidated under Equity Method	565

9.1.2 Impairment of Equity Investments	565
9.2 Debt Versus Equity Classification of Own Instruments	565
9.2.1 Recognition as a Liability	566
9.2.2 Recognition as an Equity Instrument	566
9.3 Hybrid Securities – Preference Shares From an Issuer’s Perspective	567
9.3.1 Contractual Discretion	567
9.3.2 Economic Compulsion	568
9.3.3 Degree of Subordination	568
9.3.4 Legal Form	568
9.3.5 Entity’s Historical Trend or Ability to Make Distributions	569
9.4 Convertible Bonds – Issuer’s Perspective	569
9.4.1 Convertible Bonds Denominated in the Entity’s Functional Currency – Fixed for Fixed	570
9.4.2 Convertible Bonds Denominated in the Entity’s Functional Currency – Fixed for Variable	571
9.4.3 Convertible Bonds Denominated in a Foreign Currency	571
9.5 Convertible Bonds – Investor’s Perspective	572
9.6 Derivatives on Own Equity Instruments	572
9.6.1 Hedging Own Equity Instruments	572
9.6.2 Derivatives on Own Equity Instruments	572
9.7 Case Study: Accounting For A Stock Lending Transaction	573
9.7.1 Accounting Entries	575
9.7.2 Final Remarks	577
9.8 Case Study: Accounting for a Mandatory Convertible Bond from an Issuer’s Perspective	578
9.8.1 Accounting for a Fixed Parity Mandatory Convertible Bond	578
9.8.2 Accounting for a Variable Parity Mandatory Convertible Bond	581
9.9 Case Study: Accounting for a Convertible Bond from an Issuer’s Perspective	583
9.9.1 Accounting for a Fixed-for-Fixed Convertible Bond	583
9.9.2 Accounting for a Fixed-for-Variable Convertible Bond	586
9.10 Case Study: Hedging Step-Up Callable Perpetual Preference Shares	590
9.10.1 Accounting versus Credit Impact	591
9.10.2 The Hedging Problem	591
9.10.3 Accounting Entries	593
9.10.4 Concluding Remarks	595
9.11 Case Study: Base Instruments Linked To Debt Instruments	596
9.12 Case Study: Parking Shares Through a Total Return Swap	596
9.12.1 Asset Monetisation Strategy	597
9.12.2 Accounting Entries	599
9.13 Case Study: Hedging an Equity Investment with a Put Option	601
9.13.1 Accounting Treatment of the Put Time Value when Excluded from the Hedging Relationship	602

9.13.2	Accounting Treatment of the Put Time Value when Included in a Hedging Relationship	609
9.14	Case Study: Selling A Forward on Own Shares	610
9.14.1	Accounting Treatment of a Physically Settled Only Forward on Own Shares	610
9.14.2	Accounting Treatment of a Forward on Own Shares Treated as a Derivative	612
CHAPTER 10		
	Hedging Stock-Based Compensation Plans	617
10.1	Types And Terminology of Stock-Based Compensation Plans	617
10.1.1	Main Equity-Based Compensation Plans	617
10.1.2	Terminology	618
10.2	Accounting for Equity-Based Compensation Plans	619
10.2.1	Vesting and Non-vesting Conditions	620
10.2.2	Accounting for Stock Option Plans	621
10.2.3	Accounting for Stock Appreciation Rights	622
10.3	Case Study: ABC's Share-Based Plans	624
10.3.1	Main Terms	624
10.3.2	Accounting for ABC's Stock Option Plan	625
10.3.3	Accounting for ABC's Stock Appreciation Rights	629
10.4	Main SOP/SAR Hedging Strategies	632
10.4.1	Underlying Risks in SOPs and SARs	632
10.4.2	Hedging with Treasury Shares	633
10.4.3	Hedging with Equity Swaps	634
10.4.4	Hedging with an Enhanced Equity Swap	638
10.4.5	Hedging with Standard Call Options	639
10.5	Case Study: Hedging a Stock Option Plan with an Equity Swap	641
10.6	Case Study: Hedging an SAR Plan with a Call	647
CHAPTER 11		
	Hedging Commodity Risk	655
11.1	Main Commodity Underlyings	655
11.2	Lease, Derivative and Own-Use Contracts	655
11.2.1	Definitions of Lease, Derivative and Own-Use Contracts	656
11.2.2	Use of Similar Contracts for both Own-Use and Trading Purposes	658
11.3	Categorisation According to Settlement Terms	658
11.3.1	Physically Settled Commodity Contracts	658
11.3.2	Net Settled Commodity Contracts	659
11.3.3	Commodity Contracts with Choice of Physical Delivery or Net Settlement	659
11.4	Case Study: Hedging Gold Production with a Forward – Own-Use Application	659

11.5 Case Study: Raising Financing Through a Gold Loan	662
11.6 Case Study: Hedging a Silver Purchase Firm Commitment with a Forward – Fair Value Hedge	664
11.6.1 Hedging Strategy	665
11.6.2 Hedging Relationship Documentation	666
11.6.3 Hedge Effectiveness Assessment	667
11.6.4 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	667
11.6.5 Fair Valuations of Hedging Instrument and Hedged Item	669
11.6.6 Accounting Entries	670
11.7 Case Study: Hedging Commodity Inventory with Futures	672
11.7.1 Recognition of Inventories according to IAS 2	672
11.7.2 Applying Hedge Accounting to Inventory	673
11.7.3 Background Information	673
11.7.4 Hedging Relationship Documentation	673
11.7.5 Hedge Effectiveness Assessment	674
11.7.6 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	675
11.7.7 Fair Valuations of Hedging Instrument and Hedged Item	677
11.7.8 Accounting Entries	678
11.8 Case Study: Hedging a Highly Expected Purchase Of Oil With Futures and an FX Forward – Cash Flow Hedge	680
11.8.1 Background Information	681
11.8.2 Hedging Relationship Documentation	682
11.8.3 Hedge Effectiveness Assessment	683
11.8.4 Hedge Effectiveness Assessment Performed at Hedging Relationship Inception	684
11.8.5 Fair Valuations of Hedging Instrument and Hedged Item	686
11.8.6 Accounting Entries	688
11.9 Case Study: Airline Jet Fuel Consumption Hedge With Jet Fuel and Crude Oil – Risk Component	691
11.9.1 Background Information	691
11.9.2 Hedging Risk Components	694
11.9.3 Hedging Relationship Documentation	695
11.9.4 Hedge Effectiveness Assessment	697
11.9.5 Hedge Effectiveness Assessment Performed at the Start of the Hedging Relationship	698
11.9.6 Fair Valuations and Accounting Entries on 30 June 20X5	701
11.9.7 Concluding Remarks	707

CHAPTER 12**Hedging Inflation Risk****709**

12.1 Inflation Markets – Main Participants and Indices	709
12.1.1 Inflation Market Participants	709
12.1.2 Measuring Inflation from Indices	711

12.1.3	Main Inflation Indices	711
12.1.4	Components of a Bond Yield and the Fisher Equation	712
12.1.5	Breakeven Inflation	714
12.2	Inflation-Linked Bonds	714
12.3	Inflation Derivatives	716
12.3.1	Zero-Coupon Inflation Swaps	717
12.3.2	Non-cumulative Periodic Inflation Swaps	719
12.3.3	Cumulative Periodic Inflation Swaps	720
12.3.4	Inflation Caps and Floors	722
12.4	Inflation Risk Under IFRS 9	725
12.4.1	Hybrid Instruments	725
12.4.2	Hedging Inflation as a Risk Component	726
12.5	Case Study: Hedging Revenues Linked To Inflation	727
12.5.1	Background	727
12.5.2	Hedging Relationship Documentation	728
12.5.3	Hedge Effectiveness Assessment – Hypothetical Derivative	729
12.5.4	Hedge Effectiveness Assessment Performed at Start of the Hedging Relationship	730
12.5.5	Fair Valuations of the ILS and the Hypothetical Derivative	732
12.5.6	Accounting Entries	735
12.5.7	Concluding Remarks	737
12.6	Matching An Inflation-Linked Asset with a Floating Rate Liability	738
CHAPTER 13		
	Hedge Accounting: A Double-Edged Sword	741
13.1	Positive Influence on The Profit or Loss Statement	742
13.2	Substantial Operational Resources	743
13.3	Limited Access to Hedging Alternatives	744
13.4	Risk of Reassessment of Highly Probable Transactions	744
13.5	Low Compatibility With Portfolio Hedging	745
13.6	Final Remarks	746
INDEX		749