

# Index

- abandonment risk 943–4
- accounting
  - analysis 92–118
  - capital structure 702–5
  - complex points 92–118
  - harmonising data 84
  - positioning 926
  - procedures 143–7
  - rates of return 543–6
  - rules/principles 121, 134–5
  - standards 117–18
  - value creation 533–4, 536–9, 541–6
- accounts
  - balancing 893
  - bank 892–3, 900
  - consolidated 73–91
  - DPO ratio 196
- accretion 766, 850–1
- accruals 93
  - see also* inventories
- acquisitions
  - goodwill 82–4
  - LBOs 869
  - see also* mergers and acquisitions
- actuarial present value 110
- additive valuation methods 617
- adjusted income 84
- ADRs *see* American Depositary Receipts
- advance dividends 744
- affirmative covenants 411
- after-tax basis
  - cash flows 556, 604–5
  - ROCE 229, 231–2, 235
- agency cost hypothesis 710
- agency theory
  - agency costs 524, 710
  - bankruptcy 880–2
  - convertible bonds 468–9
  - corporate governance 816–17
  - demergers 855
  - dividends 733–4
  - internal financing 727
  - LBOs 872
  - risk insurance 924
  - value 523–4
  - warrants 463
- Air France KLM convertible bond issue 467
- Aït-Mokhtar, Yann 680
- Alcan aluminium group 518–19
- all-share mergers 844–54
  - accretion criteria 850–1
  - asset contributions 845–6, 848
  - bootstrapping 853–4
  - dilution 850–1
  - exchange ratio 849–50
  - legal mergers 844–5
  - mechanics 841–54
  - pros and cons 848
  - relative value 849–51, 853
  - share contributions 845, 848
  - share exchange 845–7
  - synergies 852–3
  - techniques 844–8
  - the way forward 854
- Almeida, H. 657
- ALRG *see* asset liability refinancing gap
- alternative portfolio management 340
- American Depositary Receipts (ADRs) 491–2
- amortisation
  - accounting procedures 143
  - constant amortisation 304–5
  - fixed assets 31, 103
  - margin analysis 160
- annuities 287–8
- apparent dilution 763–4
- APT *see* arbitrage pricing theory
- arbitrage
  - disequilibrium 689
  - investor behaviour 272–3
  - pricing options 448–9
  - pricing theory 355–6
- arbitrage pricing theory (APT) 355–6
- assessment 122–3, 166–70
- asset beta 570–2
- asset contributions 845–6, 848
- asset liability refinancing gap (ALRG) 680–1

- assets
  - balance sheets 45–6, 48, 52–3
  - consolidated accounts 74–5, 78, 81, 82–3, 248
  - current 46, 52, 144, 161, 171
  - deferred taxation 95–8, 146
  - duration 709–10
  - equilibrium markets 518–19
  - impairment losses 100
  - industrial 590
  - liquidity 52, 218–19, 246
  - management 264–5, 338
  - off-balance-sheet commitments 108
  - operating costs 31–2
  - revaluing 98
  - risk-free 334–8
  - see also* Capital Asset Pricing Model; fixed assets; intangible assets; net asset value; tangible assets; underlying assets
- assets-in-place risk 569–70
- associated undertaking 77
- associates 77–8, 165, 236–7
- Associés en Finance research house 352, 358
- asymmetric information 521–2
- asymmetry of risk 441
- auctions 486, 828–30
- auditors' reports 121, 134–5
- average strike options 934
- “backdoor equity” hypothesis 469
- back-stops 498–9
- balance sheets 45–54
  - accounting procedures 147
  - analysis variations 47–54
  - capital employed 47–51, 53–4
  - consolidated accounts 75–8, 80
  - deferred tax assets 95
  - definitions/concepts 45–7
  - intermediation 258
  - leverage effect 235
  - liquidity 52, 218–19
  - main items 45–6
  - off-balance-sheet commitments 108–9
  - solvency-and-liquidity analysis 47, 51–3
  - working capital 48–50, 193–4
- Bancel, F. 712–13
- bank-based economies 259
- bankruptcy 652–4, 876–88
  - causes 876–80
  - country-based procedures 878–9
  - design of debt 708–9
  - Eurotunnel 883–4
  - financial theory 880–3
  - illiquidity 218–19
  - inefficiencies 879
  - limited liability 882–3
  - procedures 877–9
  - company-oriented 877–9
  - creditor-oriented 877–9
  - rating of companies 1920–2010 877
  - recovery rates 1982–2010 882
  - restructuring 876, 878–80, 883–4
  - working capital 221
- banks/banking
  - accounts 892–3, 900
  - asset management 264–5
  - bank guarantees 916
  - business loans 408–11
  - cash management 892–5
  - cash pooling 904–5
  - charges 893, 898–9
  - checking of terms 898–9
  - CIB 264
  - commercial banks 263
  - debt products 408–11
  - EBRD 942
  - errors 898–9
  - financial markets 263–5
  - groups in difficulties 906
  - LCB lenders 867
  - loans 411, 503–5
  - overlay banks 905
  - project financing 941–2
  - regional development banks 942
  - relationship-based economies 714
  - retail banks 263–4
  - sales of securities 482–4
  - syndicated loans 503–5
  - syndicates 483, 503–5
  - takeover negotiation 826–8
  - types of banking 263–5
  - value dates 892, 896
- barrier options 934–6
- basis structure of debt 708–12
- bear markets 794
- behavioural finance 268–73
  - arbitrage 272–3
  - cash management 898
  - hedging 270–1
  - investor behaviour 270–3
  - mimicry theory 269–70
  - rationality of investors 269
  - speculation 271–2
- benchmarking 139, 701
- benefit plans 109–11
- Berkshire Hathaway *see* Lubrizol-Berkshire Hathaway announcement
- best-efforts deals 504
- beta 323–7
  - asset beta 570–2
  - calculations 324–5
  - CAPM 348–50, 352, 354–5
  - cost of capital 570–2, 578–9
  - emerging markets 578–9

- market portfolio 337
- market risk 323–4
- security market line 352
- undergirding parameters 326–7
- bilateral loans 409
- bills, Treasury 901
- BIMBOs (buyins/MBOs) 863
- binomial model
  - pricing options 448–52
  - real options 595
  - warrants 462
- Black–Scholes model
  - bias 454–5
  - complex derived models 451
  - European-style options 450–1
  - options 450–2, 454–5
  - US-style options 451
  - warrants 462
- boards of directors 812–16
  - chairman of board 814–15
  - country-based structures 814
  - independent 812–13
  - one/two tier 814–16
  - simplified structures 815–16
- bonds 379–406
  - assimilation 387
  - basic concepts 382–3
  - bullet bonds 868
  - cash investment 901
  - CIB 264
  - comparing issues 391–2
  - corporate bonds 400–1, 500–1
  - coupon rate periodicity 383
  - debt security volatility 392–6
  - default risk 396–401
  - definition 5
  - duration 396
  - eurobond issuers 380
  - exchangeable 99, 466, 476, 503
  - fixed-rate 392–5
  - floating-rate 387–9
  - Gecina issue 465, 470
  - guarantees 383
  - high-yield 501
  - income 383
  - India Motors 381–7, 392–4, 396
  - interest rates 368–9, 383
  - international markets 391–2
  - investment grade 499–501
  - issue date/price 382–3
  - issues in 2010 387
  - Legrand May 2008 issue 381
  - listing techniques 386–7
  - markets 264
  - maturity 382–3
  - MTNs 390–2
  - nominal value 382
  - principal 382–3
  - rating 396–401
  - redemption 382
  - Rule 144A 501–2
  - sales 499–503
  - secondary market 386
  - settlement date 383
  - spreads 384–6, 389, 400–1
  - value listed end of 2010 380–1
  - warrants 463
  - yield to maturity 384–7
  - zero-coupon 367–9, 383
  - see also* convertible bonds
- book-building
  - banks 483
  - block share trading 498
  - corporate bonds 500
  - IPOs 487–9
- book profitability 227, 237–8
- book rates of return 544
- book value
  - of equity 47, 53, 81–2
  - intangible fixed assets 102
  - internal financing 725, 727–30
  - per share 421, 768–9
  - share issues 767–9
- bootstrapping 569, 853–4
- borrowing 32, 147, 262
  - see also* debt . . . ; liabilities
- bought deals 483, 498
- Boyzgues 581, 750, 818
  - see also* family-owned companies
- brands 102, 620
- breakeven analysis 180–3
- breakeven point 176–84
  - calculating 177–8
  - capital structure 702–3
  - cyclical risk 184
  - definition 176–7
  - past situations 180–1
  - strategic analysis 183
  - types of 178–80
- bridge loans 409
- Bruner, R. 582
- bubble crises 271
- budgeting 894
- bullet bonds 868
- bullet loan repayments 304
- bull markets 794
- business angels 781
- business contractions 183, 222
- business loans 408–11
- business managers 1
- business plans 587–9
- business risk 723
- buy-backs *see* share buy-backs
- buyer's credit 415–16

- buyins/buyouts 862–3
- by-function (destination) income statements 34–7
  - inventory changes 59
  - margin analysis 155, 158, 170
  - timing 60
- by-nature (category) income statements 34–7
  - inventory changes 59
  - margin analysis 155, 158, 170–1
  - timing 60
- calendar issues 268
- call options 440–5
  - Black–Scholes model 450
  - decision-making 676–9
  - definitions 440–1
  - delta 452–3
  - equity/debt 671–9
  - pricing 442–4, 448–9
  - put-call clarity 442
  - value 442–3, 445
  - warrants 462
  - see also* options
- cancellation of shares 789
- capital *see* capital . . . ; cost of capital; debt capital; working capital
- Capital Asset Pricing Model (CAPM) 348–55
  - APT 355
  - cost of capital 570, 575
  - diversification 353
  - expected risk premium 349–52
  - forecast beta 354–5
  - formal derivation 364–5
  - interest rates 366
  - limits 353–5
  - linearity 353
  - market fair value 355
  - practical difficulties 354
  - properties 352–3
  - security market line 352–3
- capital decrease *see* capital reduction
- capital employed 45–57
  - accounting rates of return 543
  - balance sheets 47–51, 53–4
  - computation 638–9
  - definition 50
  - market value 247–8
  - standard financial analysis 135–6
  - value creation 513–17
  - value of 637–9
  - see also* enterprise value; return on capital employed
- capital-employed analysis 47–51, 53–4
- capital expenditure 191–212
  - analysing 203–6
  - cash flows 61
  - Indesit 207
  - margin analysis 170
  - production 131–2
  - shareholders' equity 237
  - see also* investment outflows
- capital increase 492–7
  - equity lines 497
  - listed companies 493
  - methods employed 492–3
  - new issues puzzle 497
  - rights issues 494–6
  - takeovers 835–6
  - unlisted companies 493
  - without pre-emptive subscription rights 496–7
  - see also* share issues
- capitalisation 278–84
  - compound interest 280
  - discounting 281, 283–4
  - factors 283–4
  - formula 280
  - see also* market capitalisation
- capital leases 106–7, 415
- capital losses 246–7
- capital market line 334–8
- capital markets 257–61
  - bank/market-based economies 259–60
  - direct finance 257
  - disintermediation 260
  - indirect finance 257–8
  - intermediation 258
  - listed companies 261
  - market capitalisation 261
  - risk 260
  - top 10 exchanges 261
  - transactions 2, 261
  - ways of looking at 2
- capital rationing
  - constraints 700
  - investment criteria 562
  - mutually exclusive projects 301
- capital reduction
  - dividends 745–51
  - impact on company 747–8
  - value creation 748
- capital structure
  - corporate managers 661–3
  - cost of capital 569–70
  - debt financing 661–3
  - debt policy 661–2
  - design of 689–719
  - financial distress 649, 652–4
  - global approach 654–63
  - information asymmetries 657–60
  - modern theory 644
  - organisation theories 660–1
  - pecking order theory 657–60
  - perfect markets 637–48
  - personal taxes 654–7
  - policies 635–719

- signalling theory 660–1
- taxation 649–69
- tradeoff model 640, 649–54
- see also* design of capital structure; optimal capital structure
- CAPM *see* Capital Asset Pricing Model
- capping voting rights 790, 813
- caps, interest rate options 935
- captive insurance companies 928–9
- Carlsberg 765–8
- carried interest, LBOs 867
- carrybacks, tax benefits 247
- carryforwards, tax-loss 610
- carve-outs 791
- cascade corporate structure 792–3
- cash
  - investment 899–902
  - offers for listed companies 832–4
  - as profitability indicator 249
  - secondary markets 900–2
  - wealth differentiation 29
- cash acquisition mergers 847–8
- “cash-at-hand” concept 63
- cash certificates 900
- cash cows 216, 865
- cash culture 912–13
- cash flow management 889, 891–909
  - account balancing 893
  - bank charges 893
  - basics 891–3
  - behavioural analysis 898
  - cash budgeting 894
  - cash pooling 902–6
  - centralised 902–5
  - checking bank terms 898–9
  - financial difficulties 906
  - forecasting horizons 894–5
  - groups 902–6
  - intercompany agreements 898
  - international 905–6
  - local 903
  - lockbox systems 898
  - optimisation 897–9
  - payment methods 895–7
  - placement of cash 899–902
  - value dates 891–2, 895–8
- cash-flow-matching approach 709–10
- cash flow per share 421
- cash flow return on investment (CFROI) 538–9, 543, 546
- cash flows 19–28
  - after-tax 556, 604–5
  - cash flow fade 607–8
  - cash flow value 623
  - classifying 19
  - definitions/concepts 63–4, 67
  - earnings approach 58–72
  - effective annual rate 308
  - extraordinary flows 558
  - financial resources 22–4
  - financing policies 213, 215–16
  - GCF 538
  - incremental 553–4
  - investment criteria 553–4, 556–9
  - investment cycle 20–2, 65, 67
  - management 889, 891–909
  - operations 20–2, 65–6, 204–6, 214, 557
  - payback period 558–9
  - reinvestment 723–7
  - residual value 557
  - securities 5
  - statements 24, 30, 61–7, 249
  - see also* cash flow . . . ; discounted cash flow . . . ; free cash flows
- cash flow statements 61–7
  - capital expenditure 61
  - earnings 30
  - financial analysis 249
  - simplified 24
- Cash Generating Units (CGUs) 100
- cash mutual funds 901
- cash ratio 220
- CDs *see* certificates of deposit; credit default swaps
- CDS *see* credit default swaps
- CEOs *see* chief executive officers
- certificates of deposit (CDs) 6, 901
- CFROI *see* cash flow return on investment
- CGUs *see* Cash Generating Units
- chairman of board of directors 814–15
- characteristic line of security 325
- charges
  - bank 893, 898–9
  - see also* costs
- chartists 339–40
- chief executive officers (CEOs) 815, 883–4
- chief financial officers (CFOs) 696, 711
  - see also* financial managers
- CIB *see* corporate and investment banking
- clawbacks 484
- clearing houses 940
- closed-ended funds 268
- closing entries 59
- closing rate method 86
- club deals 409–10, 504
- collars 935
- commercial banks 263
- commercial base of company 114
- commercial loans 409
- commercial paper 6, 407–8
  - see also* paper
- commercial positioning 926
- commercial risk 315
- communication policies 521–2
- company lifecycle stages 698–9

- company strategy 201
- comparative analysis 138–9
- compensation transparency 811–12
- competition
  - distribution systems 133
  - drivers 127–8
  - margin analysis 168–9
  - market risk 126
  - year-end comparisons 194
- competitive bidding 499–500
- competitive risk 323
- competitor capital structure 701–2
- completed contract method 93–4
- compound interest 280
- comprehensive income 165–6
- confidentiality 826–7, 829
- confirmed credit lines 936
- conflict resolution
  - agency theory 816
  - creditors 650, 681–4
  - financial systems 263
  - shareholders 650, 681–4
- conglomerates 794, 823, 855–6
- consolidated accounts 73–91
  - accounting procedures 145
  - cash flows 64
  - income statements 170
  - intra-group transactions 85
  - leverage effect 235–6
  - methods 73–80
  - net asset value 248
  - related issues 79–84
  - revaluing assets 98
  - sales 155
  - technical aspects 84–7
- consolidation methods 73–80
  - equity accounting 77–8, 80
  - full consolidation 74–6, 80
  - proportionate consolidation 78–9, 80
- construction contracts 93–4
- contingent assets 108
- contingent liabilities 96, 108
- contingent taxation 96
- contracts 937–9
  - construction 93–4
  - debt contracts 216
  - securities 4
- contribution margin 178, 184
- control 785–91
  - change of provisions 791
  - consolidation issues 79–80
  - corporate structure 785–91
  - dilution of 762–4, 768
  - financial 786–8
  - management 786–8
  - premiums 617, 624–6
  - relationships 74, 79–80
- convertible bonds 464–70
  - agency theory 468–9
  - Air France KLM issue 467
  - “backdoor equity” hypothesis 469
  - call provisions 466
  - conversion
    - period 465
    - premium 466
    - ratio 465
  - definition 464–6
  - financial analysis 94–5
  - Gecina issue 465, 470
  - mandatory 107–8
  - market cyclicality 469–70
  - matching hypothesis 469
  - sales 503
  - signalling theory 469
  - theoretical analysis 468–9
  - value 466–8
  - worldwide issue 465
- convertible loans 94–5
- convertible preferred stocks 472–4
- complexity, bonds 395
- Copeland, T. 597
- corporate bonds 400–1, 500–1
- corporate culture 134
- corporate finance, definition 1–14
- corporate governance 775–888, 809–21
  - agency theory 524
  - country-based aspects 810–11
  - definition 809–10
  - directors’ committees 813
  - financial theories 816–17
  - guidelines/recommendations 810–14
  - independent boards 812–13
  - research 818
  - shareholder power 813–14
  - simplified structures 815–16
  - transparency 811–12
  - value 817–18
- corporate income tax
  - financing cycle 62
  - margin analysis 165
  - tradeoff model 650–2
- corporate and investment banking (CIB) 264
- corporate managers 580–1, 661–3
- corporate policies 633–771
- corporate structure 777–97
  - control strengthening 785–91
  - diversified groups 791–3
  - security discounts 793–4
  - shareholders 777–85
- correlation coefficients 328, 330, 332–3
- corridor pension accounting method 110
- cost of capital 569–86
  - alternative methods 570–6
  - beta of assets 570–2

- comparing methodology 581–2
- corporate managers 580–1
- direct calculation 570–2
- diversified companies 577
- emerging markets 578–9
- enterprise value 574
- expected rate of return 574–5
- financial managers 3
- implicit calculation 574
- indirect calculation 572–6
- investment decisions 576–7
- market capitalisation 574
- market values of equity/debt 575–6
- multinational companies 578
- negative net debt 579–80
- practical applications 576–80
- risk 569–70, 580
- valuation 577
- see also* weighted average cost of capital
- cost of equity 421
- costs
  - accounting procedures 143–4
  - accruals 93
  - agency costs 524
  - bankruptcy 880
  - capital employed 45
  - cash flows 58, 59–61
  - consolidated accounts 74, 75–6
  - earnings 30–2
  - financial distress 649, 652–4
  - financing cycle 61
  - financing sources 690–2
  - fixed 177–9, 181–2, 184
  - historical 74, 75–6, 115
  - income statements 36–7
  - inventories 103–5
  - margin analysis 154–60, 166–70, 176–84
  - opportunity costs 725
  - research and development 101
  - startup costs 101, 144
  - tangible assets 115
  - see also* cost . . .
- cost structure effect 182
- counterparty risk 315, 924–5, 927, 937–41
- coupons
  - floating-rate bonds 388
  - options 448
  - payment periodicity 383
  - rates 395
  - reinvestment risk 392, 395–6
  - zero-coupon bonds 367–9, 383
  - zero-coupon loans 307
- covariance
  - beta 325
  - portfolio risk 328, 332
- covenants
  - debt contracts 216
  - debt issues 683
  - dividend payments 682–3
  - early redemption clauses 683–4
  - loan documentation 411
  - restrictive 682–4
  - risky assets 682
- covered warrants 461
- credit
  - confirmed credit lines 936
  - documentary credit 916
  - export credit 415–16
  - intercompany credit 202–3
  - operating cycle 20, 201
  - working capital 221
- credit agreements 410–11
- credit default swaps (CDS) 936–7
- credit derivatives 936–7
- credit insurance 916, 936
- credit limits 915
- credit managers 915–16
- creditors
  - balance sheets 51
  - bankruptcy 877–84
  - company valuation 516
  - conflict resolution 650, 681–4
  - Eurotunnel, 883–4
  - hybrid securities 682
  - internal financing 726–7
  - restrictive covenants 682–4
  - shareholders 650, 670, 681–4
  - share issues 761
- credit ratings *see* ratings
- credit risk 392, 710, 924, 927
- credit scoring 140–1
- crises
  - bubbles 271
  - disaster risk 316, 323, 923
  - new business 696
  - optimal capital structure 692–3
  - project financing 943
  - subprime crisis 414
- cross default clauses 411
- culture of companies 134
- currency
  - debt structures 708–12
  - exchange rates 85–6
  - forwards 929–30
  - options 934–5
  - risk 315, 323, 926
  - swaps 932
- current assets
  - balance sheets 46, 52
  - impairment losses 144, 161, 171
  - see also* assets; working capital

- current bank accounts 892–3, 900
- current production capacity 203–4
- current rate method 86
- current ratio 219–21
- customers
  - credit 20
  - distribution 132–3
  - payment defaults 915–16
  - wants 132–3
- cyclical risk 184
  
- Daimler group 618–19
- Danone dairy products 476
- days' inventory outstanding (DIO) 196–7
- days' payables outstanding (DPO) 196
- days' sales outstanding (DSO) 195
- DCF *see* discounted cash flow method
- DDM *see* dividend discount model
- debt 670–88
  - capital structure 690–1
  - cash repayment 900
  - company stages 698–9
  - deeply subordinated 475
  - definition 379
  - design of debt 708–12
  - “discipline of debt” 525
  - factors affecting 712–13
  - financial flexibility 696
  - financing sources 690–1
  - junior/senior 867–8, 878, 881–4
  - optimal debt ratio 706–7
  - securities 379, 392–6
  - short-term 398–9, 708, 876–7
  - target debt ratios 713
- debt capital
  - cash flows 23–4
  - earnings 32–3
  - leverage effect 229–34, 236, 238–9
- debt contracts 216
- debt financing
  - balance sheets 50–1, 54
  - cash flow statements 62–3, 67
  - corporate managers 661–3
  - dynamic analysis 213, 215
  - ROCE 227
  - solvency 247–8
  - static analysis 213, 216–18
- debt instruments 5–6
  - see also* bonds; commercial paper
- debt issues 683
- debt policy 660–1
- debt push downs 863
- debt securities
  - coupon reinvestment risk 392, 395–6
  - definition 379
  - interest rates 392–5
  - short-term marketable 407–8
  - volatility 392–6
  - see also* securities
- debt warrants 462
- decision-making
  - analysis 676–80
  - investments 576–7
  - options theory 676–80
  - increasing debt 677–8
  - the investment decision 678–9
  - practical applications 679–80
  - terms of debt 679
  - price information 263
  - shareholder structure 778–80
- decision rules 255, 285
- decision trees 597
- decommissioning provisions 113
- deeply subordinated debt 475
- default risk 396–402
- deferred costs 144
- deferred income 93
- deferred payments/charges 60
- deferred tax assets/liabilities 95–8, 146
- defined benefit pension plans 109–10
- defined contribution pension plans 109–10
- delisting companies 803–4
- delta 449, 452–3
- demand deposit accounts 892
- demergers 844, 854–5
  - advantages/disadvantages 855–6
  - examples 856
  - principles 854–5
  - value creation 856
- depreciation
  - accounting procedures 143–4
  - fixed assets 31, 103, 143
  - investment policy analysis 204
  - margin analysis 160
- derivative markets 8–9, 941
- design of capital structure 689–719
  - accounting criteria 702–5
  - changing debt-equity mix 707
  - choosing structure 695–702
  - company sector characteristics 697–9
  - competitor structure 701–2
  - constraints 699–700
  - details 705–12
  - equity 690–1, 694–5
  - financing sources 690–2
  - flexibility 695–7
  - history of “good” structure 692
  - inflation and growth 694
  - lifecycle of company 697–9
  - major concepts 689–95
  - opportunities 699–700
  - optimal debt ratio 705–6
  - optimal structure 692
  - policies 712–14

- rating of company 700–1
- relative structure 701
- shareholder preferences 699
- speed of change 706–7
- development capital funds 781
- development costs 101, 143
- Diamond debt maturity model 711
- dilution
  - all-share mergers 850–1
  - of control 762–4, 768
  - DCF method 611
  - EPS 748, 766–7, 851–2
  - profit/losses 98–9
  - share issues 748, 759, 766–8
  - warrants 462–4
- dilution of control
  - apparent 763–4
  - real 763–4
  - share issues 762–4, 768
  - technical 764
- DIO *see* days' inventory outstanding
- direct finance 257
- directors 812–13
  - see also* boards of directors
- disaster risk 316, 323, 923
  - see also* crises
- “discipline of debt” 525
- disclosure 826, 832
- discontinued operations 33–4
- discounted cash flow (DCF) method 603–12
  - dilution 611
  - discount rates 608–9
  - equity-accounted investment 610
  - explicit forecast period 604–6
  - minority interests 610–11
  - peer-group comparisons 621–2
  - pros and cons 611
  - provisions 609–10
  - schedule of flows 604–6
  - SOTP comparison 621
  - tax-loss carryforwards 610
  - terminal value 604, 606–8
  - unconsolidated investments 610
  - value of net debt 609
- discounted cash flows 351, 373
  - see also* discounted cash flow method
- discounting
  - capitalisation 281, 283–4
  - DDM 603, 612, 744
  - definition/use 412
  - discounting a sum 282–4
  - discount rates 286–7, 300–1, 350–1
  - expected risk premium 350–1
  - factor 283–4
  - formula 283
  - future/present values 283
  - IRR 300–1
  - NPV 286–7, 295
  - PV 282–3
  - required returns 283
  - sales of securities 485–6
  - sums received on different dates 282
  - zero NPV 295
- discounts
  - conglomerates 794
  - holding companies 793–4
  - intercompany credit 202
  - minority 611, 626
  - securities 793–4
  - valuation 624–6, 744
  - see also* discount . . .
- disintermediation 258–9, 260, 380
- distress *see* financial distress
- distribution systems 132–3
- diversification
  - CAPM limits 353
  - cost of capital 577
  - groups 791–3
  - portfolios 347–8
  - reduction of return rate 518–19
  - risk and return 322–3, 329, 331–3
- divestitures 707
- dividend discount model (DDM) 603, 612, 744
- dividend per share (DPS) 419
- dividends 740–57
  - agency theory 733–4
  - capital reduction 745–51
  - cash distribution criteria 749–51
  - covenants 682–3
  - DDM 603, 612, 744
  - dividend yield 420
  - DPS 419
  - equilibrium markets 731–2
  - exceptional 745–6
  - extraordinary 749–51
  - financing cycle 61–2
  - financing policies 215
  - growth rates 740–4
  - net income paid 247–8
  - options 448
  - paid in shares 744–5
  - payment of 744–5
  - payout ratios 740–4
  - profile categories 742–3
  - share buy-backs 746, 748–50
  - shareholders 731–4, 750–1
  - signalling theory 732–3, 750
- documentary credit 916
- Donaldson, G. 659
- Dow Jones Industrial Average index 326
- DPO *see* days' payables outstanding
- DPS *see* dividend per share
- DSO *see* days' sales outstanding
- dual listing 268

- duration
  - assets/debt 709–10
  - bonds 396
  - modified duration 393–5
  - MTNs 391
  - payout ratios 744
- Dutch auctions 746
- Dutch clauses 784
- dynamic analysis, financing 213–16
- early redemption clauses 683–4
- earnings 29–44
  - accounting procedures 143–6
  - beta 327
  - cash flows 58–72
  - growth 327
  - income statements 34–7
  - margin analysis 176–7, 181, 185
  - as profitability indicator 249
  - retained earnings 725
  - stability analysis 180–2
  - wealth 29–34
  - working capital 49
  - yield 428
- earnings before interest, taxes, depreciation and amortisation (EBITDA)
  - accounting return rates 543
  - all-share mergers 850
  - cash flows 60–1, 64, 557–8
  - DCF method 607
  - debt financing 216–18
  - income statements 37
  - LBOs 867, 870
  - margin analysis 155, 160–2
  - multiples 430, 612–16
  - operating cycle 30–1
  - peer-group comparisons 612–16
  - ROCE 560
  - senior debt 867
  - see also* gross operating profit
- earnings before interest and taxes (EBIT) 32
  - all-share mergers 850
  - cash flows 557
  - CFROI 538
  - DCF method 604–5, 607
  - EPS 704
  - margin analysis 160–2
  - multiples 425–7, 612–14, 616
  - peer-group comparisons 612–14, 616
  - see also* operating profit
- earnings per share (EPS) 419
  - accretion 851
  - capital structure 703–4
  - dilution 748, 766–7, 851
  - internal growth models 730
  - P/E ratio 427
  - share issues 766–7
  - value creation 533, 541–3, 546
- EBIT *see* earnings before interest and taxes
- EBITDA *see* earnings before interest, taxes, depreciation and amortisation
- EBRD *see* European Bank for Reconstruction and Development
- economic analysis
  - of companies 121, 123–34
  - complex accounting 92
  - margins 185
- economic profit 534, 536–8, 540, 546
- economic rents 133, 525–6
- economic risk 316
- economic sectors 123–4
- economic value added (EVA) 534, 536–8, 540, 546
- economies
  - bank-based 259
  - market-based 259–60
- economies of scale 824
- effective annual rate 307–9
- efficient frontier 332–6
  - investor beliefs 340
  - risk-free assets 335–6, 338
- efficient markets 265–70
  - all-share mergers 848
  - anomalies 268–9
  - bankruptcy 880
  - demergers 855
  - Gaussian distribution 319
  - insider information 267–8
  - LBOs 872
  - price prediction 265–6
  - response to specific events 266
  - risk insurance 924
  - see also* perfect markets
- EGMs *see* Extraordinary General Meetings
- emerging markets 578–9
- employees
  - benefits 109–11
  - economic analysis 133–4
  - margin analysis 159–60
  - as shareholders 782–3, 789
- employee-shareholders 782–3
  - direct ownership 783
  - ESOPs 783
  - loyal shareholders 789
  - stock options 783
- employee stock ownership programmes (ESOPs) 783
- EMTNs *see* euro medium-term notes
- ENPV *see* expanded net present value
- enterprise value 637
  - all-share mergers 846–7
  - cost of capital 574
  - debt financing 663
  - multiples 425, 613–15

- net debt 609
- options theory 670–7
- perfect markets 642, 644
  - see also* capital employed
- entrenchment theory 817
- EPS *see* earnings per share
- equal instalment loan repayment 305–6
- equilibrium, options theory 677
- equilibrium markets 516–21, 816
  - Alcan 518–19
  - assets and components 518–19
  - corporate governance 816
  - diversification 518–19
  - dividends 731–2
  - free cash flow 517–18
  - as an ideal 520
  - limits 520–1
  - share issues 760
  - theoretical basis 516–18
  - value additivity rule 517–19
  - value creation 516–20, 525
- equity 670–88
  - “backdoor equity” 469
  - balance sheets 46–7, 50–1, 53, 147
  - book value 47, 53, 81–2
  - capital structure 690–1, 694–5
  - cash flows 22, 23
  - company finance 215, 218
  - consolidated accounts 74–6, 80, 81–4
  - convertible preferred stocks 472–4
  - cost of equity 421
  - definition 379
  - earnings 33
  - financing sources 690–1
  - mandatory convertible bonds 107–8
  - required rate of return 638, 641
  - SEOs 497
  - working capital 221–2
  - see also* return on equity; shareholders’ equity
- equity accounting 77–8, 80
- equity affiliate 77
- equity bridge 869
- equity capital 694–5, 721–71, 767–8
- equity lines 497
- equity markets 264
- equity risk premium 349–50, 350
- equity securities 6
- equity valuation 673–6
- equity value
  - capital employed 637–8
  - enterprise value 425
  - formula 425
  - per share 421
  - shareholders 723–7
- equity warrants 462
- Ericsson 324–9, 332–5
- ESOPs *see* employee stock ownership programmes
- Eurazeo investment fund 476
- eurobond issuers 380
- euro medium-term notes (EMTNs) 501
- Euronext-Liffe stock exchange 938
- Europe
  - eurobond issuers 380
  - index-linked securities 389
  - LBOs since 1982 872
  - liquidity premium 358
  - listed companies 525
  - reference rates 389
  - securitization 413–14
  - spreads 385
  - STEP 408
  - see also* euro . . .
- European Bank for Reconstruction and Development (EBRD) 942
- European companies
  - EVA 536
  - payout ratios 2010 741
  - telecom companies 514
  - top 20 share buy-backs 2010 748
  - TSR 540
- European Directives
  - asset classification 46
  - payment period reduction 914
  - public offers 785, 839–40
- European-style options 440, 443, 450–1, 671
- Euro Stoxx 50 index 324–6
- Fuortanuel 883–4
- Eurozone
  - cash pooling 906
  - payment methods 897
- EVA *see* economic value added
- event trees 596–7
- exceptional dividends 745–6
- exceptional items, non-recurring 33–4
- exchangeable bonds 99, 466, 476, 503
- exchange rates 85–6
- exchange ratio 849–50
- exit strategies
  - joint ventures 784
  - LBOs 863–4
- expanded net present value (ENPV) 593, 596–7
- expected returns 320–1
  - capital market line 336
  - cost of capital 574–5
  - rates of 421, 574–5
  - risk-free assets 336
  - security market line 352
  - shares 421
- expected risk premium, CAPM 349–52
- expenditure *see* capital expenditure
- expenses 164–5
- expert financial analysis systems 141–2
- explicit forecast period 604–6

- export credit 415–16
- expropriation effect 679
- extension options 484
- external capital 658–60
- external financial analysis 122–3, 193
- extraordinary cash flows 558
- extraordinary dividends 749–51
- Extraordinary General Meetings (EGMs) 778, 835
- extraordinary items, non-recurring 33–4
  
- face value of bond 382
- factoring 412–13
- fair value 115, 284, 355
- Fama, Eugene 265, 269, 356
- Fama–French model 356
- family-owned companies 744
  - Bouygues 581, 750, 818
  - holding companies 787
  - LBOs 865–6
  - shareholders 777, 780–1
- FIFO *see* first in, first out method
- film industry 128–9
- finance leases 106–7, 415
- financial analysis 15–251
  - accounting 134–5, 143–7, 249
  - concluding remarks 246–51
  - definition 121–3
  - economic analysis 123–34
  - expert systems 141–2
  - fundamental concepts 17–118
  - Indesit 250
  - performing 121–53
  - purpose of 122
  - ratings 139–40
  - scoring 140–1
  - solvency 246–8
  - standard plans 135–7
  - techniques 128–9
  - value creation 248–9
- financial assessment 122–3, 166–70
- financial control 786–8
- financial distress
  - cash flows 906
  - costs 649, 652–4
  - groups 906
  - options theory 675
  - see also* bankruptcy
- financial engineering 775–888
- financial expenses 164–5
- financial income
  - accounting procedures 145
  - debt capital 33
  - definition 23
  - margin analysis 164–5
  - see also* income
- financial investors 1
  - see also* investors
- financial leverage 232
- financial management 773–948
- financial managers 1–4, 9–11
  - capital structure 705
  - definition 1
  - matching principle 709
  - as negotiators 9–10, 521
  - reality checks 10
  - resource buying 1–2
  - as risk managers 10–11
  - role of 1–4, 9–11
  - as salesmen 1–4
  - selling securities 2–4
  - taking opportunities 554
  - see also* chief financial officers
- financial markets 257–77
  - bank/company relationships 263–5
  - behavioural finance 268–73
  - capital markets 257–61
  - derivative markets 8–9
  - efficient markets 265–70
  - functions 262–3
  - investor behaviour 270–3
  - M&As 824
  - primary markets 7
  - secondary markets 7–8
  - securities 6–9
  - theoretical frameworks 265–70
- financial positioning 926
- financial resources 22–4
- financial risk 140, 316, 889–948
  - see also* risk
- financial securities 377–509
  - beta 323–4
  - capital markets 260
  - cash flows 5
  - cash investment 900
  - characteristic line 325
  - companies and financial world 514–15
  - as a contract 4
  - corporate structure 793–4
  - debt 379, 392–6, 407–8
  - discounts 793–4
  - fair value 284
  - financial managers 2–4
  - financial markets 6–9
  - fixed-income 366–8
  - index-linked 389
  - issuance of 4–5
  - market value 284
  - NPV 284–5
  - options theory 672–3
  - preferred 470–1
  - risk and capital markets 260
  - risk and return 313–75
  - sales of 481–509
  - subordinated 473

- types 5–6
- valuation 8
- see also* hybrid securities
- financial strategy 183
- financing
  - cycle 22, 32–3, 61–2, 65
  - distribution systems 132
  - dynamic analysis 213–16
  - policies 135–7, 213–26
  - projects 262, 941–4
  - sources 690–2, 696, 698
  - static analysis 213, 216–22
  - see also* debt financing; internal financing
- financing cycle
  - cash flows 61–2, 65
  - definition 22
  - earnings 32–3
- financing sources
  - costs 690–2
  - flexibility 696
  - lifecycle 698
- finished goods 59, 197
- firm value *see* enterprise value
- first in, first out (FIFO) method 104
- Fitch rating agency 396
- fixed assets
  - accounting procedures 143–4, 147
  - balance sheets 45–6, 48, 52
  - cash flows 204
  - complex accounting points 100–3, 115
  - current production capacity 203–4
  - current ratio 220
  - depreciation 31, 103, 143
  - gross 203
  - impairment losses 31, 162
  - margin analysis 162
  - operating costs 31–2
  - value decrease 31
  - see also* assets; capital expenditure; depreciation
- fixed costs 177–9, 181–2, 184
- fixed-income securities
  - choosing risk 368
  - discounted cash flows 373
  - inflation 367
  - investment timeframe 367–8
  - risk 366–8
- fixed interest rates 711
- fixed-price offerings 490
- fixed-price rights issues 494
- fixed-rate bonds 392–5
- Flannery debt maturity model 711
- flat rate bank charges 893
- flexibility
  - capital structure 695–7
  - cash distribution 749–50
  - payment methods 897
  - real options 590–1, 594, 596–7
  - startup companies 697
- floating interest rates 711
- floating-rate bonds 387–9
- floors, interest rate options 935
- flowback 488
- forecasting 119–251
  - DCF method 604–6
  - explicit forecast period 604–6
  - normative margins 184–5
  - price prediction 265–6
- foreign exchange markets 264
- foreign exchange risk 944
- foreign subsidiaries 85–7
- forward rate agreements (FRAs) 931–2
- forward risk premium 350
- forward transactions 927, 929–33
  - currency 929–30
  - forward-forward rate 931–2
  - FRAs 931–2
  - risk management 927, 929–33
  - swaps 932–3
- FRAs *see* forward rate agreements
- fraud risk 316
- free cash flows
  - agency theory 733
  - DCF method 604–7
  - definition 22
  - equilibrium markets 517–18
  - after interest 214
  - liquidity 680
  - multiple 430–1
  - ROCE 560
- free float 422–3
- free riders 524–5, 882
- French, Kenneth 356
- Friedman, Milton 547
- full consolidation 74–6, 80
- full listing, IPOs 490, 492
- futures 8–9, 938–40
- GAAP *see* Generally Accepted Accounting Principles
- gamma 452–3
- Gaussian distribution 319
- GCF *see* gross cash flow
- gearing 232
- Gecina convertible bond issue 465, 470
- Generally Accepted Accounting Principles (GAAP)
  - consolidated accounts 81–2
  - IFRS differences 117–18
  - leases 106–7
- General Motors 743
- glamour divisions 216
- global financial assessment 122–3
- “golden parachute” clauses 791

- golden shares 790, 840  
 “good” capital structure 692  
   *see also* optimal capital structure  
 goodwill  
   accounting for 82–3, 145  
   consolidated accounts 81–4, 86  
   impairment losses 82–3, 99–100  
   leverage effect 235  
 Gordon Shapiro formula 606  
 governance *see* corporate governance  
 governments as shareholders 783–4  
 Graham, J. 552, 657, 695, 712–13  
 grants 145  
 greenshoes 484, 496  
 grey market 500  
 gross cash flow (GCF) 538  
 gross fixed assets 203  
 gross margin 160  
 gross operating profit 30–1  
   *see also* earnings before interest, taxes,  
   depreciation and amortisation  
 gross trading profit 157–8, 160  
 groups of companies 791–3, 902–6  
   *see also* consolidated accounts  
 growth  
   capital structure 694  
   company lifecycle 698–9  
   dividends 740–4  
   earnings 327  
   economic analysis 124–5  
   growth companies 268  
   internal financing 727–30  
   markets 124–5  
   normative margins 184  
   operating activities 205  
   potential 729  
   raw materials 157  
   receivables 200  
   sales 155–6  
   working capital 198–200  
 guarantees  
   bank 916  
   bonds 383  
   shareholders’ equity 236  
 Gurley, John 257  
  
 Hamon–Jacquillat model 357–8  
 harmonisation of accounting  
   data 84  
 Harvey, C. 552, 695, 712–13  
 hedge funds 340, 680  
 hedging  
   behavioural finance 270–1  
   debt structure 709, 711  
   principle 709, 711  
   risk 942–4  
   self-hedging 927–9  
  
 Heineken 324–9, 332–5  
 hidden options 590–1  
 high-yield bonds 501  
 historical costs 74, 75–6, 115  
 historical risk premium 350–1  
 holding companies  
   control issues 787  
   discounts 793–4  
   LBOs 861–2, 863  
   options theory 676–80  
   shareholder structure 782  
 holding-period return 320  
 homogeneous expectations of investors 337, 348  
 hostile takeover bids 836  
 hotel sector financing policies 217  
 hybrid securities 460–80  
   convertible bonds 464–70  
   creditors 682  
   deeply subordinated debt 475  
   exchangeable bonds 476  
   financing sources 690–1  
   mandatory convertibles 474–5  
   mezzanine debt 868  
   preference shares 470–4  
   tracking stocks 475–6  
   warrants 461–4  
 hyperinflation 86–7  
  
 IASB *see* International Accounting Standards Board  
 ICR *see* interest coverage ratio  
 identified purchase cost 104  
 idiosyncratic risk 322  
 IFRS *see* International Financial Reporting Standards  
 illiquidity risk 218–22  
 impairment losses  
   current assets 144, 161, 170  
   definition 99–100  
   fixed assets 31, 162  
   goodwill 82–3, 99–100  
   *see also* losses  
 impairment tests 82  
 implicit volatility 453–4  
 “incentive contracting” hypothesis 710  
 incentive systems 134  
 income  
   adjusted 84  
   bonds 383  
   comprehensive 165–6  
   deferred 93  
   financial 23, 33, 164–5  
   fixed-income securities 366–8, 373  
   income tax 62, 165, 650–2  
   minority interests 165  
   *see also* net income  
 income statements  
   accruals 93  
   capital expenditure 61

- cash flows 62–4
- consolidated accounts 75–6, 78, 84, 86–7
- deferred tax assets/liabilities 95
- formats 34–7
- intermediation 258
- leverage effect 234
- margin analysis 154–5, 158, 160–2, 166, 170–1
- operating costs 59–61
- turnover ratios 197
- wealth 30, 32
- income tax 165
- incremental cash flows 553–4
- incremental IRR 302
- independent boards of directors 812–13
- independent directors 812–13
- Indesit case study
  - capital expenditure 207
  - DCF method 605–8
  - financing policy 222–3
  - leverage effect 236, 239–40
  - margin analysis 172, 179, 185
  - P/E ratio 615
  - shares 418–21, 423, 431–3
  - solvency 250
  - value creation 250
  - working capital 206
- index-linked securities 389
- index tracking theory 339
- India Motors bond issue 381–7, 392–4, 396
- indirect finance 257–8
- industrial assets 590
- industrial base of company 114
- industrial managers 590
- industrial organisations 130–1
- industrial risk 315, 323
- industrial strategies 183
- industrial synergies 519–20
- inertia effects 169
- inflation
  - capital structure 694
  - effects of 169
  - fixed-income securities 367
  - foreign subsidiary accounts 86–7
  - inventory valuation 105
  - leverage effect 239
  - working capital 199
- inflation risk 316, 323
- inflows 45
  - see also* revenue
- information
  - insider 267–8
  - prices 263
  - real options 591
  - sales of securities 482–3
- information asymmetries
  - capital structure 650, 657–60
  - debt maturity structure 710–11
  - internal/external capital 657–60
- initial public offerings (IPOs) 486–92, 798–808
  - choosing markets 801
  - creation of 487–90
  - delisting 803–4
  - execution of 801–2
  - fixed price offerings 490
  - how they work 486–7
  - issue discounts 486
  - LBOs 800, 863
  - listed companies 799–800
  - minimum price offerings 490
  - ordinary full listings 490
  - preparation 800–1
  - retail investors 489–90
  - retail public offerings 489–90
  - size of IPO 801–2
  - top 10 companies 801
  - underpricing 802–3
  - underwriting 487–9
  - US listings for non-US companies 490–2
  - worldwide 798
- innovation 823–4
- insider information 267–8
- inside shareholders 133
- insolvency 529
- institutional investors 782
- insurance
  - captive companies 928–9
  - credit insurance 916, 936
  - reinsurance 928–9
  - against risk 923, 928–9, 933–7
  - risk management 928–9, 933–7
- intangible assets
  - accounting procedures 144
  - balance sheets 46, 53
  - fixed assets 100–3
  - goodwill 82–3
  - SOTP 620–1
  - value decrease 31
- intercompany credit 202–3
- intercompany payment agreements 898
- interest
  - free cash flow 214
  - leverage effect 237–9
- interest-bearing accounts 892, 900
- interest coverage ratio (ICR) 218
- interest payments
  - financing cycle 61–2
  - inventories 104
  - operating leverage 179–80
- interest rate options 935–6
- interest rate risk 315, 323, 392, 926

- interest rates
  - bonds 368–9, 383
  - breakeven point 702–3
  - capital structure 694
  - currency forwards 930
  - debt securities 392–5
  - debt structure 711
  - EBIT multiple 426–7
  - fixed-income securities 366–8
  - fixed-rate bonds 392–5
  - fixed rates 392–5, 711
  - floating 711
  - FRAs 932
  - IRS 369, 932–3, 941
  - liquidity preference theory 372
  - maturities 371–2
  - term structure 366–75
  - yield curves 368–71
- interest rate swaps (IRS) 369, 932–3, 941
- interest rate yield curves 368–71
  - historical curves 369–71
  - swap curve 369
  - zero-coupon curve 369
- interim facility agreements 869
- intermediation 258
- internal capital 658–60
- internal financial analysis 122
- internal financing 723–30
  - book value 725, 727–30
  - growth models 728–30
  - managers 727
  - marginal rate of return 729–30
  - organic growth 727–8
  - questionable truisms 724–6
  - return criteria 727–30
  - shareholders 723–30
  - taxation 726
  - value creation 724–6
- internal rate of return (IRR) 295–312
  - bond yield to maturity 384
  - CFROI 538
  - discount rates 300–1
  - how it is determined 295–6
  - incremental IRR 302
  - “inverted” IRR 300
  - investment criteria 296, 551–2, 555, 561
  - limits 296–303
  - MIRR 296–8
  - multiple return rates 298–9
  - mutually exclusive projects 301–3
  - no return rates 298–9
  - reinvestment rate 296–8
  - ROCE 561
  - trial and error method 295–6, 300
  - zero NPV 295, 297–8
  - see also* yield to maturity
- international accounting standards 74, 117–18
  - see also* International Financial Reporting Standards
- International Accounting Standards Board (IASB) 74
- international bond markets 391–2
- international cash flow management 905–6
- international cash pooling 905–6
- International Financial Reporting Standards (IFRS) 74, 78, 81, 117–18
- Internet 907
- intrinsic risk 322
- intrinsic value 444–5
- inventories
  - accounting 103–4, 144
  - balance sheets 46, 49
  - cash flows 59
  - DIO ratio 196–7
  - financial analysis 104–5
  - management 917–18
  - overstatement of value 157
  - pre-emptive action 169
  - valuation methods 620
- inventory management 917–18
  - parameter management 917
  - reducing waste 917–18
  - Wilson formula 918
  - working capital 917–18
- inverse floaters 388
- inverse P/E ratio 428–9
- “inverted” IRR 300
- invested capital 45–57
- investment banks 263
  - see also* banks/banking
- investment cash flows 557
  - see also* cash flows
- investment criteria 551–68
  - capital rationing 562
  - cash flows 553–4, 556–8
  - consistency 556
  - disregarding finance type 554–5
  - IRR 296, 551–2, 555
  - lines of reasoning 552–6
  - NPV 551–2, 555, 559, 561
  - opportunity 554
  - payback period 558–60
  - PVI 562
  - ROCE 560–1
  - taxation 556, 560–1
- investment cycle
  - cash flows 20–3, 65, 67
  - earnings 31
  - production process 131
- investment fund assets 2000–2010, worldwide 338
- investment of funds method 435
- investment grade bonds 499–502

- book-building 500
- EMTNs 501
- issuance timetable 500
- price stabilization 501
- sales 499–501
- investment grade ratings 399, 572
- investment outflows 21
  - see also* capital expenditure
- investment policy 204–6
- investment risk 347
  - see also* risk . . .
- investments
  - accounting procedures 144
  - balance sheets 46
  - cash investments 899–902
  - CIB 264
  - decisions 255–312, 513, 576–7
  - financing policies 213–26
  - return on investment 21
  - value creation 513–14
    - see also* capital expenditure; investment . . .
- investment value, convertible bonds 466
- investor risk 3, 482
- investors 253–509
  - behaviour 270–3
  - CAPM 348–52
  - chartists 339–40
  - definition 1
  - homogeneous expectations 337, 348
  - institutional 782
  - IPOs 489–90
  - market predictability 340
  - multifactor models 356–8
  - portfolio management 339–40
  - power 515
  - protection 356–8
  - rationality 268
  - required return 283, 296
  - separation theorem 337
  - signalling theory 661
  - stock-pickers 339
- IPOs *see* initial public offerings
- IRR *see* internal rate of return
- IRS *see* interest rate swaps
  
- Jacquillat *see* Hamon–Jacquillat
- Jagannathan, M. 750
- Jenson, Michael 733
- joint ventures 78–9, 784
- junior debt
  - bankruptcy 881–4
  - Eurotunnel 883–4
  - LBOs 867–8
  
- $k$  *see* required rate of return on capital employed
- Kaplan, S. 872
- $k_D$  *see* required rate of return on net debt
  
- $k_E$  *see* required rate of return on equity
- key performance indicators (KPIs) 534
- KLM *see* Air France KLM convertible bond issue
- KMV consulting company 680
- KPIs *see* key performance indicators
  
- labour risk 315
- Lafarge cement company 475
- LBOs *see* leveraged buyouts
- LBUs *see* leveraged build-ups
- leases/leasing
  - accounting 106–7
  - debt ratio change 707
  - definitions 105–6, 414–15
  - lease rights 620
  - SOTP 620
- legal aspects
  - corporate governance 810
  - legal mergers 844–5
  - legal risk 925
  - M&As 824
  - protection measures 786, 790–1
  - takeovers 837
- Legrand May 2008 bond issue 381
- leisure sector 217
- lenders
  - demergers 855
  - LBOs 867–71
    - see also* creditors
- letter of intent (LOI) 827
- leverage
  - effect 229–40
  - futures 940
  - LBUs 854
  - mature companies 697
  - operating 176–81
  - optimal capital structure 693
  - optimal debt ratio 706–7
  - relationship-based economies 713–14
- leveraged build-ups (LBUs) 863
- leveraged buyouts (LBOs) 861–75
  - debt financing 663–4
  - employee-shareholders 783
  - Europe since 1982 872
  - exit strategies 863–4
  - financial theory 871–3
  - history 1990–2011 870
  - IPO preparation 800
  - lenders 867–71
  - management 871–2
  - players 864–71
  - private equity funds 781–3
  - private equity sponsors 866–7
  - secondary LBOs 863, 866
  - sellors 865–6
  - Spotless cleaning products 861–3, 870
  - structures 861–4, 870

- takeover negotiation 828
- target companies 864–5
- taxation 863
- transaction types 862–3
- warrants 464
- world's 10 largest 865
- leveraged management buyouts (LMBOs) 862
- leveraged recapitalisation 864
- leverage effect 229–40
  - calculations 234–7
    - practical problems 236–8
    - presentation 234–5
  - definition 230
  - principle of 229–31
  - uses/limitations 237–9
  - see also* operating leverage
- levered companies
  - capital structure 651, 653
  - cost of capital 571–2
  - debt financing 662
  - perfect markets 639, 642–4
  - tradeoff model 651, 653
- liabilities
  - balance sheets 46, 47, 52, 53
  - consolidated accounts 74–5, 78, 82–3
  - current ratio 220
  - deferred taxation 95–8, 146
  - illiquidity risk 218
  - maturity structure 52
  - off-balance-sheet commitments 108–9
  - see also* borrowing
- lifecycles
  - capital structure 697–9
  - M&As 825
  - value of company 624–6
- limited liability 882–3
- limited share partnerships (LSPs) 787–8
- Lintner, John 742
- liquidation 620, 881
- liquidity
  - arbitrage 272
  - assets 52, 218–19, 246
  - balance sheets 52, 218–19
  - bankruptcy 876, 879
  - capital structure 705
  - cash budgeting 894
  - cash investment 899–900
  - company analysis 680–1
  - counterparty risk 938
  - efficient markets 267–8
  - free float 422–3
  - illiquidity risk 218–22
  - listed companies 799
  - minority discounts 626
  - preference theory 372
  - premium 356–8
  - ratios 219–20
  - risk 315, 680, 924–5, 927
  - secondary market 8
  - shares 422–3
  - solvency 246
  - working capital 192–3
- listed companies
  - advantages/disadvantages 799–800
  - capital increase 493
  - capital markets 261
  - delisting 803–4
  - economic rent 525
  - foreign listing 490–2
  - payout ratios 741
  - share buybacks 746
  - shareholders 624, 799
  - takeovers 832–40
  - see also* initial public offerings
- listing subsidiary companies 791–2
- listing techniques, bonds 386–7
- LMBOs *see* leveraged management buyouts
- loans
  - business loans 408–11
  - convertible 94–5
  - documentation 411
  - perpetual subordinated 111
  - principal 259
  - repayment methods 304–7
  - zero-coupon 307
  - see also* syndicated loans
- lockbox payment systems 898
- lock ups 484
- logistics 132
- LOI *see* letter of intent
- Long Form Report 828
- long positions 925
- long-term debt 397–8, 709
- long-term investments 21
- lookback options 934
- losses
  - capital losses 246–7
  - consolidated accounts 80, 82, 83
  - construction contracts 94
  - deferred taxation 96–7
  - dilution losses 98–9
  - see also* impairment losses; profit and loss statements
- Loughran, T. 497
- LSPs *see* limited share partnerships
- Lubrizol–Berkshire Hathaway announcement 266
- M&As *see* mergers and acquisitions
- management buyins (MBIs) 863
  - see also* BIMBOs
- management buyouts (MBOs) 862–3
  - see also* BIMBOs
- management compensation 811–12

- management control 786–8  
management packages, LBOs 871  
management reports 73  
managers  
  bankruptcy 882–3  
  boards of directors 815  
  business 1  
  corporate 580–1, 661–3  
  dividend payments 742  
  economic analysis 134  
  industrial 590  
  internal financing 727  
  limited liability 882–3  
  motivation 818  
  share issues 761  
  signalling theory 661  
  *see also* financial managers  
mandatory convertible bonds 107–8  
mandatory convertible hybrid securities 474–5  
mandatory takeover bids 834, 839–40  
margin analysis 154–90  
  comprehensive income 165–6  
  earnings 176–7, 181, 185  
  financial assessment 166–70  
  income statements 170–1  
  operating profit 155–66  
    allocation 164–5  
    formation 155–63  
  refining 180–4  
  risks 176–90  
  structure 154–75  
margin calls 940  
margins  
  profitability 227–8  
  standard financial analysis 135–6  
  working capital 911–12  
  *see also* margin analysis  
marketable securities 23  
market-based economies 259–60  
market capitalisation  
  cost of capital 574  
  shares 423, 427  
  *see also* capitalisation  
market fair value 355  
market growth 124–5  
market plane 357–8  
market portfolio 336–8  
  beta 337  
  capital market line 337–8  
  CAPM 348, 354  
market position 166, 925–6  
market rates, bonds 395  
market risk 322–4, 924–5, 927  
  beta 323–4  
  economic analysis 126  
  premium 349–50  
  project financing 943–4  
markets 253–509  
  bear/bull 794  
  company analysis 123–8  
  convertible bonds 468–9  
  definition 123–4  
  emerging 578–9  
  growth of 124–5  
  OTC 937–41  
  value added 159  
  *see also* financial markets; market . . .  
markets in equilibrium *see* equilibrium markets  
market share 102, 126–7  
market value  
  capital employed 247–8  
  Carlsberg 768  
  securities 284  
  share issues 758–9, 768  
  SOTP 618  
market value added (MVA) 534, 539–40, 546  
market value creation indicators 534, 539–41, 546  
mass production 130–1  
master credit agreements 410  
matching principle 469, 709–10, 713  
mathematical hope 590  
matrix approach to portfolio risk 331–2  
mature companies 697–9  
maturity  
  bonds 382–5  
  futures contracts 939  
  interest rates 371–2  
  nominal rate of return 306–7  
  structure 52, 218–19, 708–12, 713  
  time values of options 675–6  
MBIs *see* management buyins  
MBOs *see* management buyouts  
mean valuation method 617  
median valuation method 617  
medium-term notes (MTNs)  
  bonds 390–2  
  EMTNs 501  
  reasons for issuance 390–2  
memorandum of understanding (MOU) 827  
mergers 844–60  
  control issues 789  
  demergers 844, 854–6  
  split-offs 854–6  
  *see also* all-share mergers  
mergers and acquisitions (M&As) 822–6  
  advantages 824–5  
  CIB 264  
  control premiums 625  
  human factors 825  
  larger context 825–6  
  lifecycle of firm 825  
  macroeconomic factors 823–4  
  microeconomic factors 824–5  
  steps in process 829

- waves 822–3
- worldwide 823
- see also* acquisitions; mergers; takeovers
- mezzanine debt 867–9
- Miller, M. 569, 572, 640–4, 650, 655, 657
- mimicry theory 269–70
- minimum price offerings 490
- minority discounts 611, 626
- see also* discounts
- minority interests
  - balance sheets 147
  - consolidated accounts 75, 248
  - income 165
  - valuation 610–11
- minority shareholders
  - blocking minority 780
  - company delisting 803–4
  - corporate governance 813, 815
  - listed companies 799, 831–2
  - shareholders' agreements 784–5
  - takeover of listed company 832, 834
  - see also* minority interests; shareholder . . .
- MIRR *see* modified IRR
- Mittoo, U. 712–13
- modified duration 393–5
- see also* duration
- modified IRR (MIRR) 296–8
- Modigliani, F. 569, 572, 640–1, 643–4, 650, 655, 657
- monetary items in subsidiary
  - accounts 86–7
- money *see* time value of money
- money-market funds 901
- Monte Carlo simulation 588–9
- Moody's rating agency 396–7
- "moral hazard" risk 662
- motivating managers 818
- MOU *see* memorandum of understanding
- MTNs *see* medium-term notes
- multifactor models 355–8
  - APT 355–6
  - Fama–French model 356
  - investor protection 356–8
  - liquidity premium 356–8
  - size premium 356–8
- multinational companies 578
- multiples 424–31
  - DCF model 610
  - EBIT 425–7, 612–14, 616
  - EBITDA 430, 612–16
  - enterprise value 613–15
  - equity value 615–16
  - free cash flow 430–1
  - peer-group comparisons 613–17
  - P/E ratio 427–9
  - sales multiple 429–30
  - transaction 616–17
- multiples valuation method *see* peer-group comparison valuation
- multiple voting 786–7, 813
- multiplier effects 793
- mutually exclusive projects 301–3
  - scale problem 301–2
  - timing problem 302–3
- MVA *see* market value added
- Myers, S. 659
- natural disaster risk 316, 323
- NAV *see* net asset value
- NDAs *see* non-disclosure agreements
- negative capital employed 237
- negative covenants 411
- negative net debt 579–80
- negative working capital 201–2, 222
- negotiation 826–31
  - auctions 828–30
  - dual-track process 831
  - financial managers 9–10, 521
  - M&A 826–31
  - outcomes 830–1
  - private 826–8
  - takeovers 826–31
- Nestlé 745
- net asset value (NAV)
  - lifecycle theory 622–3
  - per share 421
  - shareholders' equity 53, 248
  - valuation 617–21, 623
  - see also* sum-of-the-parts valuation method
- net debt
  - balance sheets 50–1, 54
  - cash flow statements 63, 67
  - DCF method 609
  - negative 579–80
  - required rate of return 638–41, 643, 651
  - ROCE 227, 232–3, 237, 240
- net financial expense/income 33, 164–5
- net fixed assets 203–4
- Netgem share prices 731
- net income
  - cash flow statements 63–4
  - dividend payouts 247–8
  - foreign subsidiary accounts 86–7
  - margin analysis 154, 168
  - net financial income 33, 164–5
  - non-recurring items 34
  - ROCE/ROE 231–2
  - see also* income
- net operating profit after tax (NOPAT) 229, 613, 616
- net present value (NPV) 278–94
  - concept interpretation 285
  - decision rule 285
  - discount rate 286–7, 295
  - ENPV 593, 596–7

- EVA 536, 538
- investment criteria 551–2, 555, 559, 561
- mutually exclusive projects 303
- payback period 559
- real options 593–6
- risk analysis 588, 593–6
- ROCE 561
- securities 284–5
- sensitivity analysis 588
- value creation 533–6, 538, 546
- zero NPV 295, 297–8
- see also* internal rate of return; present value . . .
- net profit 34
- nominal rate of return 303–7
  - bullet repayments 304
  - constant amortisation 304–5
  - equal instalment loan repayment 305–6
  - IRR 303–7
  - loan repayment methods 304–7
  - repayments at maturity 306–7
- nominal value of bonds 382
- nominee agreements 778
- non-cash costs *see* amortisation; depreciation
- non-current assets *see* fixed assets
- non-disclosure agreements (NDAs) 826
- non-monetary items 86
- non-operating working capital 49–50
- non-recourse factoring 916
- non-recurring items
  - extraordinary/exceptional 33–4
  - leverage effect 237
  - margin analysis 166
  - profit before 33
- non-voting shares 786–7
- NOPAT *see* net operating profit after tax
- normal earnings power 182
- normalised free cash flow 606–7
- normative analysis 139
- normative margins 184–5
- notes
  - EMTNs 501
  - MTNs 390–2
  - perpetual subordinated 111
  - range notes 388
  - Treasury 901
- notional amounts, FRAs 932
- notional cash pooling 904
- OBOs *see* owner buyouts
- off-balance-sheet commitments 108–9
- OGMs *see* Ordinary General Meetings
- operating activities 65, 204–6, 214
- operating assets *see* capital employed
- operating breakeven point 178–9
- operating cash flows 20–2, 65–6
  - company financing 214
  - definition 20
  - free cash flow 22
  - investment criteria 557
  - performance indicators 66
  - working capital 205–6
- operating costs
  - cash flows 59–61
  - fixed assets 31–2
  - margin analysis 157–8
- operating cycle
  - balance sheets 52
  - capital employed 47, 49
  - credit 20, 201
  - earnings 30–1
  - importance 20
  - working capital 192, 201
  - see also* operating cash flows
- operating leases 106–7, 415
- operating leverage 176–80
- operating outflows 21
- operating payments *see* operating costs
- operating profit
  - allocation 164–5
  - earnings 32
  - gross operating profit 30–1
  - income statements 34
  - leverage effect 230–1
  - margin analysis 154–66
  - ROCE 228–9, 237
  - see also* earnings before interest and taxes
- operating revenue 59–60
- operating risk 924, 943
- operating working capital
  - balance sheets 48–9
  - cash flows 60–1
  - turnover ratio 191
- opportunity
  - costs 725
  - financial managers 554
  - investment 554
- optimal capital structure 637–48, 692–3
  - capital employed 637–9
  - design of structure 692–3
  - Modigliani–Miller examples 640–4
  - perfect markets 640–4
  - “pizza” metaphor 642–3
  - traditional approach 639–40
- optimal debt ratio 706–7
- option-pricing models 114
- options 439–59
  - analysis 444–5
  - applications 455
  - Black–Scholes model 450–2, 454–5
  - convertible bonds 466
  - coupons 448
  - definitions 6, 439–42
  - delta 452–3
  - derivative markets 8–9

- dividends 448
- future spreads 936
- gamma 452–3
- intrinsic value 444–5
- management 452–5
- model risk 454–5
- on options 934
- pricing 114, 442–4, 448–52
- real options 589–98
- risk 441, 454–5, 933–6
- risk-free rate 447–8
- risk insurance 933–6
- standardised 938
- strike price 440–3, 446, 674–5
- theory 439–42, 670–80
- theta 453
- time to maturity 447
- time values 444–5
- underlying assets 440, 443, 446–7, 449, 452–3
- valuation 446–8, 503
- vega 453
- see also* call options; put options; stock options
- options theory 670–80
  - decision-making 676–80
  - equity valuation 673–6
  - securities 672–3
  - valuation 503
- ordinary full listings, IPOs 490
- Ordinary General Meetings (OGMs) 778, 813–14
- organisational models 130–1
- organisation theories 520–5, 649, 660–1
- Orléan, André 271
- OTC markets *see* over the counter markets
- outflows 21, 45, 61
  - see also* costs
- outside shareholders 133–4
- outsourcing 132
- outstandings 198
- overall dilution 763
- over the counter (OTC) markets 937–41
  - counterparty risk 937–41
  - credit derivatives 936
  - derivative global market 941
  - standardised contracts 937–8
  - unwinding contracts 939
- overdrafts 409
- overlay banks 905
- overproduction problems 157
- owner buyouts (OBOs) 863
- ownership level, consolidated
  - accounts 79–80
- P&L (profit and loss) statements *see* income statements
- Pac-Man defence 836
- paper
  - commercial 6, 407–8
  - IPOs 798
  - see also* financial securities
- pari passu clauses 411
- partnerships 787–8
- par value of shares 746
- patents 620
- path of wealth (POW) 319
- payback periods 558–60
- payment methods 895–7
  - cash flows 895–7
  - lack of flexibility 897
  - types 896–7
  - uncertainty 895–6
- payment periods 913–17
  - infringement procedures 913–15
  - trade payables 916–17
  - trade receivables 913–15
  - working capital 913–17
- payments
  - facilitation 262
  - methods 895–7
  - negative working capital 201, 222
  - payment periods 913–17
  - trade payables/receivables 913–16
  - working capital 201, 222, 913–17
  - see also* payment . . .
- payout ratios
  - dividends 740–4
  - European companies 2010 741
  - shares 420–1
- PBR *see* price to book ratio
- pecking order theory 657–60
- peer-group comparison valuation 603, 612–17
  - DCF method 622
  - mean/median 617
  - multiples 613–17
  - regression 617
  - sample of companies 613
- pensions 109–11, 609–10
- P/E ratio *see* price to earnings ratio
- percentage of completion method 93–4
- PERCS *see* Preferred Equity Redemption Cumulative Stock
- perfect markets 637, 640–4
  - see also* efficient markets
- performance indicators 66, 534
- performance metrics 850
- permanent working capital 192–4, 220–1
- perpetual subordinated loans/notes 111
- perpetuities 288–9
- personal taxes 654–7
- personnel costs 159–60
  - see also* employee . . .
- Peugeot 751
- Philippon, Th. 657

- PIPE *see* private investment in public equity
- poison pills (strategic assets) 790–1
- policies 633–771
- political risk
- risk insurance 937
  - risk management 925, 927, 937, 944
  - risk and return 316, 323
- pooling of cash 902–6
- pooling of interest method 82
- portfolio management 338–40
- alternative management 340
  - hedge funds 340
  - index tracking 339
  - investor beliefs 339–40
  - stock-picking 339
  - top down/bottom up approaches 339
  - types of stocks 340
- portfolio risk 327–32
- diversification 329, 331–2
  - formula approach 327–31
  - matrix approach 331–2
- portfolios
- CAPM 349
  - diversification 347–8
  - market portfolio 336–8
  - theory 349
  - see also* portfolio . . .
- positioning 166, 925–6
- positive covenants 411
- POW *see* path of wealth
- power 515, 778, 813–14
- PPA *see* purchase price allocation
- PPE (property, plant and equipment) *see* tangible assets
- prediction *see* forecasting
- pre-emption rights 788–9
- pre-emptive action 168
- preference shares 470–4
- company advantages 471–2
  - convertible preferred stocks 472–4
  - definitions 111–12, 470–1
  - dividends 745
  - shareholders 472, 813
  - special features 471
  - theoretical analysis 471–2
  - value 471
- preference theory 372
- preferential dividends 745
- Preferred Equity Redemption Cumulative Stock (PERCS) 474–5
- preferred habitat theory 372
- preferred securities 470–1
- preferred shares *see* preference shares
- premiums
- control premiums 617, 624–6
  - convertible bonds 466
  - liquidity 356–8
  - minority discounts 626
  - valuation 624–5
  - see also* risk premium
- prepaid costs 93
- present value index (PVI) 562
- present value (PV) 282–5, 287–9
- annuities 287–8
  - discounting 282–3
  - perpetuities 288–9
  - real options 596
  - securities 284–5
  - simplifying calculations 287–9
  - see also* net present value
- price-driven competition 127–8, 133
- price/pricing
- APT 355–6
  - fixed-rate bonds 392–5
  - information 263
  - IPO underpricing 802–3
  - options 114, 442–4, 448–52
  - PPA 83
  - prediction 265–6
  - price analysis 156–7
  - rights issues 434
  - shares 744
  - stabilization 501
  - TERP 496
  - see also* price . . .
- price to book ratio (PBR) 423–4, 539, 768–9
- price to earnings (P/E) ratio 427–9
- all-share mergers 852–3
  - Carlsberg 766–7
- EPS 542
- Indesit 615
- inverse P/E 428–9
- multiples 612, 615–16
- peer-group comparisons 612, 615–16
- principles 427–8
- required rate of return 428–9
- primary markets 7
- principals 259, 382–3
- private equity funds 781–2
- private equity sponsors 866–7
- private investment in public equity (PIPE) 782
- private negotiation 826–8
- agreement in principle 827
  - confidentiality 826–7
  - financial sweeteners 827–8
  - MOU/LOI 827
  - see also* negotiation
- private placements
- IPOs 491
  - Rule 144A 501–2
  - sales of securities 484
- process-oriented production 130–1
- product-driven competition 128

- production
  - capital expenditure 203–4
  - economic analysis 128–32
  - income statements 37
  - margin analysis 156–7, 168
  - models 129–31
- productivity 159–60
- product lifecycles 125
- product replacements 126
- profit
  - before tax and non-recurring items 33–4
  - competition 127
  - dilution 98–9
  - economic 534, 536–8, 540, 546
  - gross operating 30–1
  - investment policy 204–5
  - margin analysis 179, 181–2
  - NOPAT 229, 613, 616
  - standard financial analysis 135–7
  - trading 157–8, 160
  - see also* operating profit
- profitability
  - analysis of 227–9
  - bankruptcy 876–7, 880
  - book 227, 237–8
  - indicators of 249
  - leverage effect 240
- profit and loss (P&L) statements *see* income statements
- pro forma statements 81, 156
- program trading 270
- project financing 941–4
  - hedging risk 942–4
  - main risks 943
  - principles 941–2
  - techniques 941–2
- project risk 323
- projects
  - mutually exclusive 301–3
  - real options 590–3
  - see also* project . . .
- project-type organisations 130–1
- promised rates 384
- property, plant and equipment (PPE) *see* tangible assets
- proportional rate 309
- proportionate consolidation 78–80
- protection measures, control 786, 790–1
- provisions
  - DCF method 609–10
  - financial analysis 97, 113
  - margin analysis 161
  - restructuring 112–13, 145
- P-to-P *see* public-to-private
- public-to-private (P-to-P) LBOs 781, 866
- purchase price allocation (PPA) 83
- purchases 82–4, 196, 200
- put options 440–5
  - Black–Scholes model 451
  - definitions 440–1
  - delta 452–3
  - options theory 671–3
  - pricing options 442–4
  - put-call clarity 442
  - value 442–3, 445
- put warrants 746
- PV *see* present value
- PVI *see* present value index
- Qualified Institutional Buyers (QIBs) 491, 501
- quick ratio 220
- range notes 388
- rate of return *see* return
- rate tunnels 935
- ratings 396–401
  - agencies 396–400, 877
  - bankruptcy 877
  - company rating 700–2
  - default rates 399
  - financial analysis 139–40
  - grades 399, 499–501, 572
  - long-term debt 397–8
  - optimal debt ratio 706
  - outlooks 398
  - process 400
  - shadow rating 399
  - short-term debt 398
  - split rating 399
  - target ratings 700, 706
  - watchlist 398–9
- rationality of investors 268–9
- ratios
  - debt financing 218
  - limits of 197–8
  - liquidity 219–20
  - normative analysis 139
  - ratings 140
  - scoring techniques 140–1
  - turnover 191, 194–8
  - working capital 191, 194–8
- raw materials 157–8, 197
- RCFs *see* revolving credit facilities
- real dilution 763–4
- realized rates 384
- real options 589–98
  - categories 590–3
  - ENPV 593, 596–7
  - evaluation 594–7
  - five-step evaluation 596–7
  - flexibility 590–1, 594, 596–7
  - hidden options 590–1
  - industrial assets 590
  - method application difficulties 598
  - risk analysis 589–98
  - software company example 594–5

- recapitalisation 707, 879  
 receivables  
     balance sheets 46, 49, 147  
     growth 200  
     trade 46, 49, 147, 913–16  
     turnover ratios 195, 198  
 recessions 200–1  
 recommended takeover bids 834  
 recurrent items 33–4  
 redemption clauses 683–4  
 reference rates 389  
 regression valuation methods 617  
 regulatory aspects  
     company control 786, 790–1  
     corporate governance 810  
     European Directives 839–40  
     financial assessment 168  
     risk 316, 925  
     takeovers 837–8  
 reinsurance 928–9  
 reinvestment  
     IRR 296–8  
     risk 392, 395–6  
     *see also* internal financing  
 relationship-based economies 713–14  
 relative value 849–51, 853  
 replacement costs 105  
 replacement products 126  
 replicating portfolios 448, 595, 597  
 reports from auditors 121, 134–5  
 repos *see* repurchase agreements  
 representations and warranties 830–1  
 repurchase agreements (repos) 900  
 required rate of return 313, 347–65  
     capital employed 638–41, 643  
     CAPM 348–55, 364–5  
     equity 638, 641  
     multifactor models 355–8  
     net debt 638–41, 643, 651  
     P/E ratio 428–9  
     risk premium 347–52  
 required rate of return on capital employed ( $k$ )  
     638–41, 643  
     *see also* weighted average cost of capital  
 required rate of return on equity ( $k_E$ ) 638, 641  
 required rate of return on net debt ( $k_D$ ) 638–41, 643, 651  
 required return  
     investment 690  
     investors 283, 296  
     *see also* required rate of return . . .  
 rerating 853  
 resale 197  
 research 101, 818  
 reserved share issues 789  
 residual risk 923  
 resources 22–4  
 restoration of sites 113  
 restrictive covenants 682–4  
 restructuring  
     accounting procedures 145  
     bankruptcy 876, 878–80, 883–4  
     costs 169–70  
     margin analysis 170  
     provisions 112–13, 145  
     strategic analysis 183  
 retail banks 263–4  
 retail investors 489–90  
 retail public offerings 489–90  
 return  
     accounting rates 543–6  
     book rates 544  
     CFROI 538–9, 543, 546  
     diversification 322–3, 329, 331–3, 518–19  
     expected rates 421  
     holding-period 320  
     internal financing 727–30  
     on investment 21  
     required return 283, 296, 690  
     shareholders 422  
     total return swaps 933  
     TSR 534, 540–1, 546  
     *see also* expected returns; internal rate of return;  
         nominal rate of return; required rate of  
         return . . . ; return on . . . ; risk and return  
 return on capital employed (ROCE)  
     227–50  
     accounting rates 543  
     CFROI 539  
     cost of capital 580  
     EVA 536  
     Indesit 605, 606, 607  
     internal financing 728–9  
     investment criteria 560–1  
     leverage effect 229–38  
     MVA 540  
     required rate of 638–41, 643  
     standard plans 136  
     value creation 248–9, 533–4, 536, 539–40,  
         543, 546  
     *see also* capital employed  
 return on equity (ROE) 227–45  
     accounting rates 543–4  
     capital structure 704  
     internal financing 727–8  
     leverage effect 229–38  
     required rate of 638, 641  
     standard plans 136  
     value creation 533, 543–4, 546  
 revenue  
     capital employed 45  
     earnings 30, 58–60  
     margin analysis 154, 166, 168, 176–7  
 reverse cash flow statements 249  
 revolving credit facilities (RCFs) 869  
 right of approval, shareholders 788

- rights issues
  - definition 494
  - price below share price 434
  - subscription rights 494–6
- risk 889–948
  - analysis 587–601
  - capital markets 260
  - capital structure 639
  - definition 922–3
  - financial securities 4
  - financing sources 690
  - fixed-income securities 366–8
  - four categories 922–3
  - key features 922
  - management 10–11, 262–3, 922–48
  - margin analysis 176–90
  - measurement 925–7
  - model risk 454–5
  - notional cash pooling 904
  - options 441, 454–5, 676, 933–6
  - perfect markets 641–2
  - premium 347–52, 355–6
  - reduction 580
  - and return 315–46
  - risk of assets 569–70
  - sales of securities 482
  - securities 313–75, 482
  - taxation 526
  - time values of options 676
  - value creation 519
  - working capital 911
  - see also* individual types
- risk analysis 587–601
  - business plans 587–9
  - conventional analysis limits 589–90
  - Monte Carlo simulation 588–9
  - real options 589–98
  - scenario analysis 588–9
  - sensitivity analysis 588
  - variance 321
- risk-free assets 334–8
  - capital market line 337–8
  - efficient frontier 335–6, 338
- risk-free environment 372, 441
- risk-free rate
  - CAPM 349–50, 354
  - concept of risk 316
  - cost of capital 575
  - options 447–8
- risk management 922–48
  - definition of risk 922–3
  - financial managers 10–11
  - financial systems 262–3
  - forward transactions 927, 929–33
  - insurance 923, 928–9, 933–7
  - measuring risk 925–7
  - OTC markets 937–41
  - outright disposal 937
  - principles 927–37
  - project financing 941–4
  - self-hedging 927–9
  - steps 923–4
  - types of risk 924–5
- risk premium
  - APT 355–6
  - equity 349–50
  - expected 349–52
  - historical 350
  - market 349–50
  - required rate of return 347–52
- risk and return 315–46
  - beta 323–7
  - capital market line 334–8
  - diversification 322–3, 329, 331–3
  - efficient frontier 332–4
  - expected returns 320–1
  - long-term risk, dissipation 319–20
  - market risk 322–4
  - measurement tools 320–1
  - portfolio management 338–40
  - portfolio risk 327–32
  - risk-free assets 334–8
  - risky assets 332–8
  - sources of risk 315–16
  - specific risk 322–4
  - standard deviation 321
  - two-category classification 316
  - types of risk 315–16, 323
  - value of securities 317–20, 322
  - variance 321
- Ritter, J. 497
- ROCE *see* return on capital employed
- ROE *see* return on equity
- Roll, Richard 354
- Ross, S. 355, 522, 660–1
- Rule 144A 501–2
- rules of thumb, normative analysis 139
- S&P *see* Standard & Poor's
- sales
  - DSO ratio 195
  - investment grade bonds 499–501
  - margin analysis 155–6, 161–3, 178–82
  - multiple 429–30
  - resale 197
  - sale and leaseback method 707
  - scope of consolidation 155
  - securities 481–509
  - variance analysis 182
  - working capital 198–200
- sales of securities 481–509
  - blocks of shares 498–9
  - bonds 499–503
  - capital increase 492–7

- complexity of deal 482
- convertible bonds 503
- in different countries 485
- exchangeable bonds 503
- general principles 481–6
- IPOs 486–92
- issue discounts 485–6
- purpose of offerings 481–2
- role of banks 482–4
- shares 498–9
- syndicated loans 503–5
- savings 262
- “Say on Pay” voting 812
- scenario analysis 588–9
- Scholes *see* Black–Scholes model
- scissors effect 166–7
- scope of consolidation
  - changes 80–1
  - consolidated accounts 74, 79–81, 145
  - sales 155
- scoring techniques 140–1
  - see also* ratings
- seasonal businesses 193, 198
- seasoned equity offerings (SEOs) 497
- SEC *see* Securities and Exchange Commission
- secondary markets 7–8
  - bank/market-based economies 259
  - bond yield to maturity 386
  - cash investment 900–2
- second lien debt 869
- sector-based comparative analysis 138–9
- securities *see* financial securities
- Securities and Exchange Commission (SEC), US
  - 501–2
- securitisation
  - cash investment 901
  - definition and use 413–14
  - LBOs 869
- security market line 352–3
- segmentation of markets 124
- segmentation theory 371
- self-hedging 927–9
- selling *see* sales . . .
- senior debt
  - bankruptcy 878, 881–4
  - Eurotunnel 883–4
  - LBOs 867, 871
- sensitivity analysis 588
- SEOs *see* seasoned equity offerings
- separation theorem 337
- settlement dates 383
- shadow rating 399
- Shapiro, Gordon, formula 606
- share buy-backs 746, 748–50, 789
- shareholders 723–39
  - agency theory 523–4, 733–4
  - all-share mergers 844–51, 853
  - anticipation mechanism 764–5
  - bankruptcy 879–81, 884
  - capital structure 639, 641–2
  - cash acquisition mergers 848
  - changing debt-equity mix 707
  - conflict resolution 650, 681–4
  - controlling changes 786, 788–9
  - control premiums 624–6
  - convertible bonds 468–9
  - corporate governance 812–14, 817–18
  - corporate structure 777–85
  - creditors 650, 670, 681–4
  - delisting 803–4
  - demergers 855–6
  - dilution 762–4, 851
  - dividends 731–4, 750–1
  - economic analysis 133–4
  - equilibrium markets 731–2
  - Eurotunnel 884
  - internal financing 723–30
  - listed companies 624, 799
  - loyal shareholders 786, 789–90, 837
  - M&As 826
  - majority shareholders 759, 817
  - minority discounts 625
  - minority interests 610–11
  - need for cash 734
  - old/new 762–5
  - one major shareholder 817–18
  - options 734
  - options theory 674
  - perfect markets 641–2
  - power 778, 813–14
  - preferences 699
  - preference shares 472, 813
  - returning cash to 723–39
  - rights issues 494
  - risk 639, 641–2
  - “Say on Pay” voting 812
  - shareholder return 422
  - share issues 758–65
  - split-offs 855
  - structure 777–85
  - TSR 534, 540–1, 546
  - voting rights 380, 813–14
  - warrants 463
  - see also* minority shareholders; shareholders’ equity
- shareholders’ agreements 784–5
- shareholders’ equity
  - balance sheets 46, 50–1, 53, 147
  - cash flows 22
  - consolidated accounts 75–6, 80, 83–4
  - earnings 33
  - losses 247
  - NAV 53, 248
  - ROCE/ROE 229–30, 232, 236–8

- working capital 221–2
- see also* shareholder . . .
- shareholder structure, 50 largest firms 780
- shareholder structure 777–85
  - blocking minority 780
  - definition 777–8
  - employees 782–3, 789
  - general framework 778–80
  - joint ventures 784
  - minority shareholders 780, 784–5
  - shareholders' agreements 784–5
  - types 780–4
  - various countries 779–80
- share issues 758–71
  - book value per share 768–9
  - Carlsberg 765–8
  - creditors 761
  - definition 758–60
  - EPS 766–7
  - equilibrium markets 760
  - equity capital value 767–8
  - finance theory 760–2
  - financial criteria 765–70
  - issues since 1999 762
  - managers 761
  - old/new shareholders 762–5
  - reserved 789
  - shareholders 758–65
  - signalling theory 761–2
  - taxation 760–1
- share purchase agreements (SPAs) 829
- shares 418–38
  - adjustment coefficient 434
  - all-share mergers 844–54
  - basic concepts 418–24
  - block sales 498–9
  - cash flow per share 421
  - company control issues 786–7
  - cost of equity 421
  - demergers 854–6
  - different classes 786–7
  - dividends 420, 744–5
  - DPS 419
  - equity value 421
  - free share awards 434
  - future transactions 435
  - golden shares 790, 840
  - key market data 431
  - liquidity 422–3
  - listed companies 832–4
  - LSPs 787–8
  - market capitalization 423, 427
  - multiples 424–31
  - Netgem share prices 731
  - non-voting 786–7
  - par value 746
  - payout ratios 420–1
  - PBR 423–4
  - preference shares 111–12, 745, 813
  - prices 434, 744
  - repurchase 747–8
  - rights issues 434
  - share contributions 845, 848
  - shareholder return 422
  - stock market analysis 432–3
  - technical factors 434
  - treasury shares 116
  - volume traded 423
  - voting rights 419, 786–7
  - see also* earnings per share; share . . .
- Shaw, Edward 257
- Shleifer, A. 823
- short positions 925
- shortsightedness 516
- short-term debt
  - bankruptcy 876–7
  - design of debt 708
  - rating 398–9
  - see also* debt
- Short-Term European Paper (STEP) 408
- short-term investments 23, 232, 237
- short-term marketable securities 407–8
- shotgun clauses 784
- signalling theory
  - asymmetric information 521–2
  - bankruptcy 880–2
  - capital structure 660–1
  - communication policies 521–2
  - convertible bonds 469
  - dividends 732–3, 750
  - share issues 761–2
  - value 521–2
- simplified cash flow statements 24
- size premium 356–8
- small-and-medium-sized enterprises (SMEs) 113
- software companies 594–5
- solvency 246–8
  - capital structure 705
  - definition 53
  - Indesit 250
  - risk 315
- solvency-and-liquidity analysis 47, 51–3
- solvency opinion 863
- SOTP *see* sum-of-the-parts valuation method
- sovereign wealth funds 783–4
- SPAs *see* share purchase agreements
- special-purpose vehicles (SPVs) 81, 413–14
- specific risk 322–4
- speculation 271–2
- speculative grade ratings 399
- split accounting 94
- split-offs 854–6
- split rating 399

- Spotless cleaning products 861–3, 870
- spot rates 369
- spreads 384–6, 389, 400–1
- SPVs *see* special-purpose vehicles
- squeeze-out takeover bids 840
- stability principle 168
- standalone value of company 625–6
- Standard & Poor's (S&P) 396–7, 399, 453–4
- standard deviation 321
- standard financial analysis plans 135–7
- standardised contracts 937–8
- standards
  - IASB 74
  - IFRS 74, 78, 81, 117–18
  - international accounting 74, 117–18
- staple financing 867
- startup companies 101, 144, 697–9
- static analysis of financing 213, 216–22
- STEP *see* Short-Term European Paper
- stock exchanges 261, 938
- stock market analysis 432–3
- stock options 751
  - definition 113–14
  - employee-shareholders 783
  - transparency 811
- stock-picking 339
- stocks
  - convertible preferred 472–4
  - definition of “stock” 45
  - ESOPS 783
  - hybrid securities 475–6
  - PERCS 474–5
  - portfolio management 340
  - see also* share . . . ; stock . . .
- strategic analysis 183, 201
- strategic assessments 121, 155, 166
- strategic assets (poison pills) 790–1
- strategic value 624–6
- strike price 440–3, 446, 674–5
- subordinated debt 475, 867–9
- subordinated loans/notes 111
- subordinated securities 473
- subprime crisis 414
- subscription rights
  - advantages/drawbacks 496
  - rights issues 494–6
  - share issues 763–4
  - TERP 496
  - theoretical value 495–6
- subscription warrants 462
- subsidiary companies
  - cash flow management 902–6
  - consolidated accounts 74–6, 79–80, 85–7
  - earnings 146
  - listing 791–2
- subsidiary investments 31
- subsidiaries 145
- sum-of-the-parts valuation method (SOTP) 603, 617–22
  - approach 618–19
  - Daimler group 618
  - DCF method 621–2
  - intangible assets 620
  - inventories 620
  - tangible assets 619
  - tax implications 619
  - usefulness 621
  - see also* net asset value
- suppliers 20, 159, 201, 203
- swap points 930
- swaps
  - CDS 936–7
  - currency 932
  - IRS 369, 932–3, 941
  - total return 933
- swaptions 935
- syndicated loans
  - banks 503–5
  - business loans 409–10
  - deals 503–4
  - sales 503–5
  - syndicate members 504
  - syndication process 505
- systematic risk 322, 400–1
- takeovers 222–43
  - bids 524, 733, 834, 836, 839–40
  - capital increase 836
  - certainty of offer 834
  - competing bids 836
  - defence measures 785–91, 835–7
  - documentation 835
  - European Directives 839–40
  - “friends” share-buying 836
  - larger context 837
  - listed companies 831–40
  - market authorities 835
  - national regulations 837–8
  - negotiating strategies 826–31
  - Pac-Man defence 836
  - stake-building 832
  - type of offers 832–4
  - warrants 836
  - “white knight” offers 836
  - see also* mergers . . .
- tangible assets
  - accounting 115
  - balance sheets 46
  - definition 114
  - depreciation 103
  - impairment losses 100
  - SOTP 619
  - value decrease 31

- taxation
  - after-tax cash flows 556, 604–5
  - capital structure 649–69
  - carrybacks/forwards 247, 610
  - cash investment 900
  - corporate income taxes 62, 165, 650–2
  - debt maturity structure 710
  - deferred 95–8, 146
  - dividends 751
  - family-owned companies 781
  - income tax 62, 165, 650–2
  - internal financing 726
  - investment criteria 556, 560–1
  - LBOs 863
  - margin analysis 165
  - perfect markets 643
  - personal taxes 654–7
  - rates comparison 657
  - ROCE 229, 231–2, 236–7, 560–1
  - share issues 760–1
  - solvency 247
  - SOTP 618
  - value 526
- tax-loss carryforwards 610
- technical dilution 764
- telecom companies 514
- temporal accounting method 86
- tender offers 733, 746, 803–4
- terminal value, DCF method 604, 606–8
- term structure of interest rates 366–75
- theoretical ex-right price (TERP) 496
- theory of equilibrium markets *see* equilibrium markets
- theory of perfect markets 637, 540–4
- theory of segmentation 371
- theta 453
- time deposits 900
- time impact on options 453
- time to maturity, options 447
- time value of money 278–94
- time values of options 444–5, 673–6
- timing differences
  - deferred tax assets/liabilities 95
  - non-operating working capital 49
  - operating costs 59–60
- total breakeven point 178–9
- total debt service 304
- total return swaps 933
- total shareholder return (TSR) 534, 540–1, 546
- trade credit 202–3
- tradeoff model 649–54
  - capital structure 640, 649–54
  - corporate income tax 650–2
  - financial distress 652–4
- trade payables 916–17
- trade receivables 46, 49, 147, 913–16
- trading profit 157–8, 160
- transactions
  - costs 267
  - intra-group 85
  - multiples 616–17
  - volumes 261
- translating foreign accounts 85–7
- transparency 811–12
- treasurers 893, 897–902, 906–7
- Treasury bills/notes 901
- treasury method, warrants 435
- treasury shares 116
- trees, event 596–7
- trend analysis 138, 154–5
- TSR *see* total shareholder return
- turnover ratios 191, 194–8
- UK *see* United Kingdom
- uncertainty
  - payment methods 895–6
  - real options 591, 594
  - risk analysis 587, 591, 594
- underlying assets
  - futures 939
  - options 440, 443, 446–7, 449, 452–3, 673–5
  - see also* delta; gamma
- underwriting 487–9
  - book building 487–9
  - deals 503–4
  - IPOs 487–9
  - phases 487–9
  - sales of securities 483
- undiversifiable risk 322
- United Kingdom (UK) 319–20, 393
- United States (US)
  - accounting differences 117–18
  - accounting standards 117–18
  - foreign listings 490–2
  - preference shares 470
  - SEC 501–2
  - spreads 385
  - US-style options 440, 451
- unlevered beta 570–2
- unlisted companies 493
- US *see* United States
- valuation 602–30
  - brands 102
  - buying vs selling 622
  - of companies 515–16
  - consolidated accounts 77–8, 84
  - cost of capital 577
  - creditors 516
  - DCF method 603–12
  - DDM model 603, 612
  - deferred taxation 98
  - direct method 602–3
  - discounts 624–6, 744
  - financial securities 8

- indirect method 602–3
- inventories 104–5, 157, 169, 620
- lifecycle theory 622–4
- market share 102
- method overviews 602–3, 621–4
- NAV 617–21, 622
- options 446–8, 503
- peer-group comparisons 603, 612–17
- pensions 110
- premiums 624–5
- selling vs buying 622
- SOTP method 603, 617–21
- tangible assets 115
- techniques 602–30
- value 511–630
  - agency theory 523–4
  - asymmetric information 521–2
  - capital employed 637–9
  - convertible bonds 466–8
  - corporate finance 513–31
  - corporate governance 817–18
  - enterprise value 425
  - equilibrium markets 516–21, 525
  - free riders 524–5
  - net debt 609
  - options 444–8
  - organisation theories 520–5
  - preference shares 471
  - signalling theory 521–2
  - taxation 526
  - value creation 513–20, 525–6
  - warrants 461–4
- value added 158–9
- value added tax (VAT) 195–7
- value additivity rule 517–19
- value at maturity, options 442–3, 445
- value at risk (VaR) 925, 927
- value chain analysis 128–9
- value companies 268
- value creation 513–20, 532–50
  - accounting 533–4, 536–9, 541–6
  - all-share mergers 848, 853
  - anticipation mechanism 765
  - capital employed 513–17
  - companies and finance 514–16
  - criteria overview 532–5
  - demergers 856
  - equilibrium markets 516–20, 525
  - financial analysis 246, 248–9
  - financial indicators 532–9, 545–6
  - good strategy 526
  - how to create value 525–6
  - implications 516
  - Indesit 250
  - internal financing 724–6
  - investments 513–14
  - LBOs 872
  - market indicators 534, 539–41, 546
  - measurement 532–50
  - NPV 533–6, 538, 546
  - purpose of finance 513–16
  - repurchase of shares 748
  - value vs values 545, 547
  - working capital 911
- value dates 891–2, 895–8
- value decrease 31, 247
  - see also* book value
- value drivers 534–5, 587
- value of equity *see* equity value
- value growth of markets 124
- value-in-use, SOTP 618
- value of net debt 637–8
- VaR *see* value at risk
- variable costs 177–9
- variance
  - analysis 182
  - portfolio risk 328–9, 331
  - risk and return 321
- VAT *see* value added tax
- VDD *see* vendor due diligence
- vega 453
- vendor due diligence (VDL) 328
- venture capital funds 781
- Vermeulen, Marc 433
- vesting period 114
- Vishny, R. 825
- Vivendi Games–Activision
  - transaction 845
- VIX index 453–4
- volatility
  - Black–Scholes model 451
  - debt securities 392–6
  - efficient markets 268
  - floating-rate bonds 388
  - implicit 453–4
  - market risk 322
  - options 446–7, 673
  - risk 318, 923
  - securities 318
  - share prices 744
  - specific risk 322
  - vega 453
- volumes
  - growth 124, 156–7
  - markets 124
  - raw materials 157
  - sales 156
  - shares traded 423
  - transactions 261
- voluntary takeover bids 834
- voting rights
  - bonds 380
  - capping 790, 813
  - consolidation issues 79
  - multiple 813
  - shareholder power 813–14

- shares 419, 786–7
- takeovers 840
- vulture funds 216
- WACC *see* weighted average cost of capital
- warranties 830–1
- warrants 435, 461–4
  - bankruptcy 880, 884
  - definition 461
  - dilution 462–4
  - equity lines 497
  - Eurotunnel 884
  - loyal shareholders 790
  - practical uses 464
  - takeovers 836
  - types 461–2
  - value 461–4
- watchlist 399
- wealth
  - additions to 29–34
  - cash differentiation 29
  - creation 135–7, 228–9
  - deductions from 29–34
  - POW 319
  - ROCE/ROE 228–9
  - sovereign wealth funds 783–4
  - standard financial analysis 135–7
- weighted average cost of capital (WACC)
  - capital employed 638
  - CFROI 538
  - DCF method 608–9
  - EVA 536
  - formula 573
  - investment criteria 554
  - MVA 540
  - perfect markets 640–2
  - retained earnings 725
  - tradeoff model 553–4
  - value creation 533, 536, 538, 540
  - see also* cost of capital; required rate of return on capital employed
- weighted average cost valuation
  - method 104
- “white knight” takeover bids 836
- Wilson formula 918
- “winner’s curse”, auction winners 486
- working capital 191–212, 889, 910–21
  - approaches 912
  - balance sheets 48–50, 193–4
  - cash culture 912–13
  - cash flows 60–1, 66
  - company strategy 911
  - current ratio 220–1
  - definitions 910–11
  - earnings 49
  - evaluation 198–203
  - financing 221
  - Indesit 206
  - inventories 917–18
  - management 910–21
  - nature of 191–4
  - negative 201–2, 222
  - non-operating 49–50
  - payment periods 913–17
  - risk 911
  - shareholders’ equity 221–2
  - trade payables 916–17
  - trade receivables 913–16
  - turnover ratios 191, 194–8
  - value creation 911
- work in progress 59, 197
- workshop organisational model 130–1
- World Bank 942
- worldwide investment fund assets 2000–2010 338
- write-downs 31
- year-end accounts 194
- yield curve 366–75
- yield to maturity 303–7, 384–7
  - see also* internal rate of return
- zero balance account (ZBA) 904
- zero cash concept 897
- zero-coupon bonds 367–9, 383
- zero-coupon loans 307
- zero NPV 295, 297–8
- zero-sum games 8, 940–1
- Z-scores 140–1