Preface xi

PART ONE
ASSESSING THE FINANCIAL HEALTH OF THE FIRM 1

Chapter 1
Interpreting Financial Statements 3
The Cash Flow Cycle 3
The Balance Sheet 6
  Current Assets and Liabilities 9
  Shareholders’ Equity 11
The Income Statement 11
  Measuring Earnings 12
Sources and Uses Statements 16
  The Two-Finger Approach 18
The Cash Flow Statement 18
Financial Statements and the Value Problem 23
  Market Value vs. Book Value 23
  Economic Income vs. Accounting Income 27
  Imputed Costs 28
Summary 30
Additional Resources 31
Problems 32

Chapter 2
Evaluating Financial Performance 37
The Levers of Financial Performance 37
Return on Equity 38
  The Three Determinants of ROE 38
  The Profit Margin 40
  Asset Turnover 42
  Financial Leverage 47
Is ROE a Reliable Financial Yardstick? 53
  The Timing Problem 53
  The Risk Problem 54
  The Value Problem 56
  ROE or Market Price? 57

PART TWO
PLANNING FUTURE FINANCIAL PERFORMANCE 87

Chapter 3
Financial Forecasting 89
Pro Forma Statements 89
  Percent-of-Sales Forecasting 90
  Interest Expense 96
  Seasonality 97
Pro Forma Statements and Financial Planning 97
Computer-Based Forecasting 98
Coping with Uncertainty 102
  Sensitivity Analysis 102
  Scenario Analysis 103
  Simulation 104
Cash Flow Forecasts 106
Cash Budgets 107
The Techniques Compared 110
Planning in Large Companies 111
Summary 113
Additional Resources 114
Problems 116

Ratio Analysis 60
  Using Ratios Effectively 60
  Ratio Analysis of Sensient Technologies Corporation 62
Appendix
International Differences in Financial Structure 71
  Comparisons among Foreign Companies Trading on U.S. Markets 71
  Public Companies 73
  The Move Toward International Accounting Standards 77
Summary 79
Additional Resources 80
Problems 82
Chapter 4
Managing Growth 123
Sustainable Growth 124
The Sustainable Growth Equation 124
Too Much Growth 127
Balanced Growth 127
Medifast’s Sustainable Growth Rate 129
“What If” Questions 130
What to Do When Actual Growth Exceeds Sustainable Growth 131
Sell New Equity 131
Increase Leverage 133
Reduce the Payout Ratio 133
Profitable Pruning 134
Outsourcing 135
Pricing 135
Is Merger the Answer? 136
Too Little Growth 136
What to Do When Sustainable Growth Exceeds Actual Growth 137
Ignore the Problem 138
Return the Money to Shareholders 139
Buy Growth 139
Sustainable Growth and Inflation 140
Sustainable Growth and Pro Forma Forecasts 141
New Equity Financing 142
Why Don’t U.S. Corporations Issue More Equity? 144
Summary 146
Problems 147

PART THREE
FINANCING OPERATIONS 151

Chapter 5
Financial Instruments and Markets 153
Financial Instruments 154
Bonds 155
Common Stock 162
Preferred Stock 166

Financial Markets 168
Private Equity Financing 168
Initial Public Offerings 170
Seasoned Issues 172
Issue Costs 177
Efficient Markets 178
What Is an Efficient Market? 179
Implications of Efficiency 181
Appendix
Using Financial Instruments to Manage Risks 183
Forward Markets 184
Hedging in Money and Capital Markets 189
Hedging with Options 189
Limitations of Financial Market Hedging 192
Valuing Options 194
Summary 197
Additional Resources 198
Problems 200

Chapter 6
The Financing Decision 203
Financial Leverage 205
Measuring the Effects of Leverage on a Business 209
Leverage and Risk 211
Leverage and Earnings 213
How Much to Borrow 216
Irrelevance 217
Tax Benefits 219
Distress Costs 219
Flexibility 223
Market Signaling 226
Management Incentives 229
The Financing Decision and Growth 229
Selecting a Maturity Structure 232
Inflation and Financing Strategy 233
Appendix
The Irrelevance Proposition 233
No Taxes 234
Taxes 236
Summary 238
Additional Resources 239
Problems 240
PART FOUR
EVALUATING INVESTMENT OPPORTUNITIES 245

Chapter 7
Discounted Cash Flow Techniques 247

Figures of Merit 248
The Payback Period and the Accounting Rate of Return 249
The Time Value of Money 250
Equivalence 254
The Net Present Value 255
The Benefit-Cost Ratio 257
The Internal Rate of Return 257
A Few Applications and Extensions 261
Mutually Exclusive Alternatives and Capital Rationing 264
The IRR in Perspective 265
Determining the Relevant Cash Flows 266
Depreciation 268
Working Capital and Spontaneous Sources 270
Sunk Costs 271
Allocated Costs 272
Cannibalization 273
Excess Capacity 274
Financing Costs 276

Appendix
Mutually Exclusive Alternatives and Capital Rationing 278
What Happened to the Other $578,000? 279
Unequal Lives 280
Capital Rationing 282
The Problem of Future Opportunities 284
A Decision Tree 284
Summary 285
Additional Resources 287
Problems 287

Chapter 8
Risk Analysis in Investment Decisions 295

Risk Defined 297
Risk and Diversification 299
Estimating Investment Risk 301
Three Techniques for Estimating Investment Risk 302
Including Risk in Investment Evaluation 303
Risk-Adjusted Discount Rates 303
The Cost of Capital 304
The Cost of Capital Defined 305
Cost of Capital for Sensient Technologies Corporation 307
The Cost of Capital in Investment Appraisal 314
Multiple Hurdle Rates 315
Four Pitfalls in the Use of Discounted Cash Flow Techniques 317
The Enterprise Perspective versus the Equity Perspective 318
Inflation 320
Real Options 321
Excessive Risk Adjustment 329
Economic Value Added 330
EVA and Investment Analysis 331
EVA's Appeal 333
A Cautionary Note 334

Appendix
Asset Beta and Adjusted Present Value 334
Beta and Financial Leverage 335
Using Asset Beta to Estimate Equity Beta 336
Asset Beta and Adjusted Present Value 337
Summary 340
Additional Resources 341
Problems 343

Chapter 9
Business Valuation and Corporate Restructuring 349

Valuing a Business 351
Assets or Equity? 352
Dead or Alive? 352
Minority Interest or Control? 354
Discounted Cash Flow Valuation 355
Free Cash Flow 356
The Terminal Value 357