

Contents

List of Figures	xiii
List of Tables	xv
List of Exhibits	xvii
About the Authors	xix
1. Introduction	1
The Importance of Knowing the Numbers	1
Measuring Success	2
What Is Entrepreneurial Financial Management?	3
What Makes Entrepreneurial Finance Similar to Traditional Finance?	5
What Makes Entrepreneurial Finance Different from Traditional Finance?	6
<i>Lack of Historical Data to Measure Risk</i>	6
<i>Traditional Financial Concepts of Risk and Return</i>	7
How the Lack of Historical Data and Liquidity Complicates the Practice of Finance in Early-Stage Firms	9
Using Stakeholder Analysis to Guide Ethical Decision-Making	10
Summary	12
Discussion Questions	12
Opportunity for Application	12
References	12
PART I	
BUILDING A FINANCIAL FORECAST	13
2. Setting Financial Goals	15
Wealth versus Income	15
Integrating Nonfinancial Goals into the Business	18
The Importance of Self-Assessment	19
The Self-Assessment Process	22
The Business Model and Business Plan	24
Summary	26
Discussion Questions	26
Opportunity for Application	26
References	27

Appendix 2.1 Individual Entrepreneurial Self-Assessment	27
Appendix 2.2 Partnership and Shareholder Assessment	29
3. Understanding Financial Statements	31
The Accounting Equation	31
<i>An Example</i>	32
Basic Financial Statements	41
<i>Income Statement</i>	43
<i>Balance Sheet</i>	44
Assets	45
Liabilities	47
Owners' Equity	48
<i>Statement of Cash Flows</i>	49
The Limitations of Business Financial Statements	49
Summary	49
Discussion Questions	49
Opportunities for Application	50
4. Revenue Forecasting	52
Common Forecasting Mistakes	52
<i>The Linear Forecast Mistake</i>	52
<i>The Hockey Stick Forecast Mistake</i>	53
<i>The 20/80 versus 80/20 Mistake</i>	53
The Link between the Marketing Plan and Revenue Forecasts	54
<i>Industry and Market Trends</i>	55
<i>Market Research</i>	55
<i>Competitive Analysis</i>	56
Creating Scenarios	57
The Link between the Revenue Forecast and the Cash Flow Forecast	58
The Impact of Business Type on Revenues	59
<i>Manufacturing Firms</i>	60
<i>Service Firms</i>	60
Billing by the Hour	61
Billing by the Job	61
<i>Recurring Revenue Firms</i>	62
<i>Commission-Based Selling Firms</i>	64
<i>Cyclical or Seasonal Sales Firms</i>	65
<i>International Sales Firms</i>	66
Quantitative Forecasting Techniques	66
The Importance of Revenue Forecasting	68
Summary	70
Discussion Questions	70
Opportunities for Application	71
5. Expense Forecasting	73
Defining Costs	73
Cost Behavior	74
<i>Variable Costs</i>	74
<i>Fixed Costs</i>	76
<i>Mixed Costs</i>	77
Breakeven Analysis	78
Expense Forecasting: The Impact of Business Type on Expenses	79

<i>Manufacturing Firms</i>	79
<i>Service Firms</i>	80
<i>Recurring Revenue Firms</i>	81
<i>Commission-Based Sales Firms</i>	82
<i>Cyclical or Seasonal Firms</i>	84
<i>Internet-Based Firms</i>	84
Reducing Expenses through Bootstrapping	85
Summary	85
Discussion Questions	85
Opportunities for Application	86
Reference	86
6. Integrated Financial Model	87
The Entrepreneur's Aspirations Reconsidered	87
Contribution Format Income Statement	88
Earnings before Interest and Taxes	88
Inventory of Assumptions	89
Social Ventures	90
Determining the Amount of Funds Needed	91
Using the Forecasting Template to Determine the Amount of Funds Needed	91
Cash Runway or Time Out of Cash	93
Assessment of Risk Sensitivity	94
Integrating Financial Forecasts into Business Plan or Funding Document	95
Summary	95
Appendix 6.1 Instructions for Using the Integrated Financial Statements Template	96
<i>Case Study—Sara's Salon</i>	97
Service Model [for a Business that Sells Services]	97
Product Model [for a Business that Sells Inventory]	117
Social Venture Model [for a Nonprofit Business]	126

PART II MANAGING THE FINANCIAL RESOURCES OF A VENTURE

137

7. Monitoring Financial Performance	139
Tracking Assumptions	139
Establishing Milestones	141
Using Numbers to Manage	142
Financial Statement Analysis	142
Ratio Analysis	145
Liquidity Ratios	147
Activity Ratios	148
Profitability Ratios	150
Solvency and Coverage Ratios	152
Keeping Track of What Is Important	154
Working with Accountants	154
Summary	157
Discussion Questions	157

Opportunities for Application	157
References	158
8. Day-to-Day Cash Flow Management and Forecasting	159
Why Is Cash Flow Different from Net Income?	160
Why Is an Accrual-Based Income Statement Important?	160
How Is Cash Flow Measured?	161
Interpreting a Statement of Cash Flows: Direct Method	164
Statement of Cash Flows: Indirect Method	165
Investors' and Creditors' Use of the Cash Flow Statement	168
Effective Cash Management	169
The Emotional Side of Cash Flow Management	172
Summary	173
Discussion Questions	173
Opportunities for Application	174
References	174

PART III SOURCES OF FINANCING

175

9. Financing over the Life of a Venture	177
Common Misconceptions about Entrepreneurial Financing	177
<i>The Diverse Nature of Business Financing</i>	178
<i>The Nature of the Business Model</i>	178
<i>Aspirations of the Entrepreneur</i>	179
<i>The Stage of Development of the Business Venture</i>	180
<i>Fitting the Pieces of the Financing Puzzle Together</i>	180
Financing Small Businesses with Modest Growth Potential	181
Financing High-Growth, High-Potential Ventures	182
Summary	184
Discussion Questions	184
Opportunities for Application	184
References	184
10. Start-Up Financing from the Entrepreneur, Friends, and Family	186
Self-Financing	186
Advantages and Disadvantages of Self-Financing	188
Friends and Family Financing	191
<i>Determine True Motivations</i>	192
<i>Use a Formal Business Plan</i>	193
<i>Provide Accurate, Objective, and Full Information about the Business</i>	193
<i>Keep Boundaries</i>	194
<i>Tax Planning</i>	194
Structure of Funds Invested	195
Summary	196
Discussion Questions	196
Opportunities for Application	197
References	197

11. Bootstrapping	198
Why Bootstrap?	198
Bootstrapping Administrative Overhead	201
<i>Space</i>	202
<i>Furnishings and Office Equipment</i>	203
<i>Administrative Salaries</i>	203
Bootstrapping Employee Expenses	203
<i>Independent Contractors</i>	204
<i>Fractional and Temporary Employees</i>	204
<i>Student Interns</i>	205
<i>Equity Compensation</i>	205
<i>Nonmonetary Benefits</i>	206
Bootstrapping Operating Expenses	206
Bootstrap Marketing	207
<i>The Basic Bootstrap Marketing Tools</i>	208
Word of Mouth	209
Business Cards	210
Blogs	211
Websites	212
Banners and Signs	212
Email Marketing	212
Publicity	213
The Ethics of Bootstrapping	213
Summary	214
Discussion Questions	214
Opportunities for Application	214
References	214
12. External Sources of Funds: Equity	216
Accredited Investors	217
Angel Investors	218
Strategic Partners	224
Private Placement	225
Private Equity	226
Crowdfunding	227
SBIC	228
The Downside of Equity Financing	229
Working with Outside Investors	230
<i>Business Model and Business Plan</i>	231
<i>Confidentiality Agreement</i>	231
<i>Letter of Intent</i>	232
<i>Modifications of Shareholder Agreements</i>	232
<i>Communication with Shareholders</i>	232
Summary	233
Discussion Questions	233
Opportunities for Application	233
References	233
13. External Sources of Funds: Debt	235
Short-Term Debt	235
<i>Trade Credit</i>	236

<i>Institutional Creditors</i>	237
Banks	238
Fin-Tech	240
Asset-Based Lenders	240
Factors	241
Long-Term Debt	243
Banks	243
Leasing Companies	244
Real Estate Lenders	244
Government Funding through SBA	244
Working with Bankers	246
Initial Contact with Bankers	248
Preparation of Key Loan Documents	249
Loan Proposal	249
Loan Document	249
Personal Guarantees	250
Ongoing Communication after the Loan Is Made	250
Other Sources of Debt Financing for Entrepreneurs	251
The Downside of Debt	252
Developing a Financing Plan	253
Summary	254
Discussion Questions	254
Opportunities for Application	255
References	255
14. Financing the High-Growth Business	256
Integrating Profitability into the Business Plan	257
Stages of the Firm	259
Stages of Business Funding	261
The Dark Side of Venture Capital Financing	262
Initial Contact with a Venture Capitalist	263
Initial Public Offering	265
Advantages of an IPO	265
Disadvantages of an IPO	266
The Process of the IPO	267
Step 1 Selecting an Investment Banking Firm	267
Step 2 Deciding Whether to Underwrite	268
Step 3 Getting the Paperwork in Order and Certifying	269
The Price of the Offering	269
Step 4 Presenting the Road Show	270
Step 5 Determining the Size of the Book	270
Step 6 The First Day of Trading	271
Private Equity	271
Summary	271
Discussion Questions	271
Opportunities for Application	272
References	272

PART IV PLANNING FOR THE ENTREPRENEUR'S TRANSITION

273

15. Business Valuation	275
General Concepts that Guide the Determination of Value	275
Fair Market Value	275
Going-Concern Value	277
Highest and Best Use	277
Future Benefits	277
Substitute and Alternatives	278
Discounted Cash Flow Analysis	278
Objectivity	279
Basic Information Required for a Valuation	280
Discounted Cash Flow	282
Effect on the Balance Sheet of the New Owners (Goodwill)	286
Definition of Free Cash Flow	287
Estimating Free Cash Flow for a Particular Year	288
Estimating Free Cash Flow over a Six-Year Period	288
Valuation Analysis When Equity Is Not the Only Funding Source	294
Summary of the Discounted Cash Flow Approach	295
Market Comparison Techniques	296
Summary of the Market Comparison Approach	301
Summary	301
Discussion Questions	301
Opportunities for Application	302
References	303
16. Exit Planning	304
A Model of Exit Planning	304
Self-Assessment Revisited and Setting a Time Frame	304
Manage Financial Statements	307
Strengthen Systems and Processes	309
Develop a Business Plan for the Sale of the Business	309
Exit Options	310
Ownership Transfer	310
Partial or Transitional Transfer	312
Bankruptcy or Planned Termination of Operations	314
The Process of Selling a Business	315
The Ethical Side of the Entrepreneur's Transition	317
Post-Exit Issues	318
Summary	319
Discussion Questions	319
Opportunities for Application	319
References	319
Index	321