## BusinessCulinary Architecture

 ComputerGeneral|nterest ChildrenLife Sciences Biography AccountingFinanceMathematics HistorySelf-ImprovementHealth Engineering Graphic Design Applied SciencesPsychology InteriorDesignBiologyChemistry

JOSSEY-BASS
PFEIFFER
J.K.LASSER

CAPSTONE
WILEY-LISS
WILEY-VCH
WILEY-INTERSCIENCE

## PRICING FOR PROFITABILITY

# PRICING FOR PROFITABILITY 

## ACTIVITY-BASED PRICING FOR COMPETITIVE ADVANTAGE

JOHN L. DALY

John Wiley \& Sons, Inc.

Copyright © 2002 by John Wiley \& Sons, Inc. All rights reserved.
Published by John Wiley \& Sons, Inc.
No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher, or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (878) 750-8400, fax (978) 750-4744. Requests to the Publisher for permission should be addressed to the Permissions Department, John Wiley \& Sons, Inc., 605 Third Avenue, New York, NY 10158-0012, (212) 850-6011, fax (212) 850-6008, E-Mail: PERMREQ@WILEY.COM.

This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold with the understanding that the publisher is not engaged in rendering professional services. If professional advice or other expert assistance is required, the services of a competent professional person should be sought.

This title is also available in print as ISBN 0-471-41535-9. Some content that appears in the print version of this book may not be available in this electronic version.

For more information about Wiley products, visit our web site at www.Wiley.com

To my wife,
Nancy J. Daly
Her contributions helped make this book a reality

## CONTENTS

Acknowledgments ..... xi
Preface ..... xiii
1 Pricing for Profitability ..... 1
Three Things Can Happen ..... 1
The Profit Equation ..... 2
Responsibility for Pricing ..... 3
Planning for Profitable Sales ..... 4
Using Costs to Plan for Profits ..... 8
Need for Solid Costing Information ..... 10
Pricing for Competitive Advantage ..... 14
Objectives of Activity-Based Pricing ..... 16
Summary ..... 16
2 Economics and Demand ..... 19
Origin of Capitalist Economics ..... 19
Modern Capitalist Economics ..... 20
Price Elasticity ..... 24
Maximizing Revenue Does Not Maximize Profits ..... 26
Estimating Customer Demand and Price Elasticity ..... 29
Demand for Competitively Bid Products ..... 33
Summary ..... 34
Note ..... 35
3 Competitive Strategy and Pricing ..... 37
In Search of Competitive Advantage ..... 37
Corporate Strategy ..... 39
Sources of Competitive Advantage ..... 42
Cost Leadership Strategies ..... 45
Differentiation Strategies ..... 48
Focused Strategies ..... 50
Lean Competition ..... 55
Strategy of Competitive Bidding ..... 56
Summary ..... 58
Notes ..... 59
4 Understanding Pricing Strategy ..... 61
Strategy Considerations ..... 61
Ethics of Pricing ..... 62
Pricing Law in the United States ..... 64
Price-Based Competition ..... 69
Market Skimming ..... 74
Market Penetration ..... 76
Loss Leader (Profit Leader) ..... 77
Complementary Pricing ..... 77
Market Pricing ..... 79
Satisficing ..... 80
Value Pricing ..... 80
Market Segmentation Strategies ..... 81
Providing Value to the Customer ..... 84
Summary ..... 86
Notes ..... 87
5 Costs ..... 89
Use of the Word Cost ..... 89
Relationship Between Price and Cost ..... 90
Development of Cost Accounting ..... 95
Financial Reporting Systems ..... 98
Organizing Financial Reporting Systems ..... 100
Statistics ..... 108
Summary ..... 110
Notes ..... 111
6 Activity-Based Costing ..... 113
Need for Activity-Based Costing ..... 113
Origins of Activity-Based Costing ..... 114
Resources ..... 115
Activities ..... 116
Processes ..... 116
Why Use Activities to Assign Cost? ..... 118
Assigning Costs to Activities ..... 120
Assigning Activity Costs to Cost Objects ..... 120
Hierarchy of Activities ..... 121
Assigning Costs ..... 124
Accumulating Activity Costs ..... 127
Further Analyzing Activities ..... 131
Summary ..... 135
Notes ..... 136
7 Activity-Based Pricing ..... 137
Activity-Based Pricing ..... 137
Objectives of Activity-Based Pricing ..... 138
Relationship Between Price and Cost ..... 139
Using Costs in Price Determination ..... 142
Relationship Between Cost and Volume ..... 143
Combining Demand and Cost Data to Arrive at Price ..... 146
Activity-Based Pricing Considerations ..... 151
Motivating Profit ..... 156
Summary ..... 161
Notes ..... 162
8 Activity-Based Pricing Models ..... 163
Determining Price ..... 163
Building an Activity-Based Pricing Model ..... 167
Manufacturing Pricing Worksheets ..... 180
Pricing Models in Other Industries ..... 190
Summary ..... 192
Notes ..... 192
9 Influence of Capacity Utilization ..... 193
Influence of Efficiency on Price ..... 193
Capacity Considerations in Pricing ..... 194
Shortage of Capacity ..... 195
Excess Capacity ..... 197
How Excess Capacity Should Influence Price ..... 197
Summary ..... 204
Notes ..... 205
10 Target Pricing ..... 207
Price Points ..... 207
Planning Profit ..... 208
Target Costs for Components ..... 212
Controlling Costs ..... 214
Summary ..... 215
Notes ..... 216
11 Price Negotiations ..... 217
Should Price Be Negotiated? ..... 217
Understanding Differences Among Buyers ..... 220
Understanding Purchasing Dynamics ..... 225
Negotiation Policy ..... 226
Tips for Successful Price Negotiations ..... 228
Summary ..... 240
Notes ..... 242
12 Conclusions and Summary ..... 243
Pricing for Profitability ..... 243
Pricing and Economics ..... 243
Competitive Strategy and Pricing ..... 245
Understanding Pricing Strategy ..... 247
Costs ..... 249
Activity-Based Costing ..... 250
Activity-Based Pricing ..... 252
Activity-Based Pricing Models ..... 253
Influence of Capacity Utilization ..... 253
Target Pricing ..... 254
Price Negotiations ..... 255
Conclusion ..... 256
Glossary ..... 257
Index ..... 265

## ACKNOWLEDGMENTS

I wish to acknowledge the contributions of the following people:

- Gary Cokins, Director of Industry Relations at ABC Technologies, Inc., provided valuable insights into the workings of his company's activity-based costing software.
- Robert A. Erickson, Program Director-Costing Systems at the Michigan Manufacturing Technology Council, reviewed a draft of Chapter 8 and provided valuable insights.
- Gary Grigowski, Vice President of Team One Plastics, Inc., provided background about plastics manufacturing and computer-aided design technology.
- Nancy J. Daly, my wife, whose editing, feedback, and Marketing MBA significantly improved the quality of this book.


## PREFACE

Most pricing books have been written by marketing professors. These books concentrate on techniques that enhance revenue, as if maximizing revenue were the same as maximizing profit. However, profit equals revenue minus expenses, and profit can only be maximized when the interrelationships between revenue behavior and cost behavior are clearly understood. No single business discipline can provide this insight and it is my belief that pricing decisions are best made by teams of people from various business disciplines bringing their own viewpoints from marketing, sales, cost accounting, engineering, economics, and business strategy to the pricing process. Pricing for Profitability is intended to be used by people from all of these disciplines. This is a sharply different approach from other popular pricing books. As a whole, the book is designed to give everyone involved in the pricing process a comprehensive understanding of how to use pricing to derive a competitive advantage and increase profitability.

Pricing practice has rapidly evolved in the past few decades. Early computer spreadsheets such as VisiCalc gave corporate financial managers the power to perform pricing and profitability analyses that were simply impossible with pencil and paper. Like many corporate controllers, one of the very first uses that I found for these new tools was to develop a model for pricing the products that my small company produced. I used what I called "rational" methods to study costs. When the common-sense techniques of activity-based costing were first described to me, our own techniques were far enough advanced that I could honestly say, "Oh yes, that is the costing method that we use." I wrote my first article on the uses of ac-tivity-based costing for pricing in 1993, coining the term activity-based quoting for that article. I later concluded that activity-based pricing was a better description for these techniques because all companies price their products, whereas only some businesses prepare actual quotes.

Pricing for Profitability is designed to provide tools that will allow companies to consistently earn a real economic profit on the things that they sell. It is about the interrelationships of price and sales volume, and sales volume and cost. Other pricing books treat the relationship between price and cost lightly, as if cost were a minor consideration in pricing strategy. My own consulting experience has shown that too many companies unknowingly price their products at a loss, sometimes a substantial loss, because they have not understood these interrelationships.

The objectives of activity-based pricing are as follows:

- Establish price based on a solid knowledge of customer demand and product cost.
- Never unintentionally price a product at a loss.
- Know how much of price is profit.
- Generate a superior financial return through superior financial knowledge.

This book has been organized so that it can be read at several different levels of detail. There are 12 chapters. Chapter 1 provides an overview of the book and Chapter 12 provides a summary of all of the other chapters. The chapters in between provide an in-depth look at 10 different topics followed by chapter summaries. Chapter 7, "Activity-Based Pricing," gets to the heart of what the book is all about. A glossary of terms may be found in the back of the book. These terms are italicized in the text the first time that they appear.

The field of activity-based pricing is in its infancy. There will undoubtedly be issues that I have not thought of or practices that I did not discover in my research. The techniques that we use today are likely to look primitive by the standards of a decade from now. I invite readers of this book to contact me with their thoughts on this topic, so that future editions of Pricing for Profitability truly can be a collaboration of all of the best minds on the topic.

John L. Daly
Chelsea, Michigan
March 2001
Daly@ExecutiveEducationInc.com
Phone: (734) 475-0600

