CHAPTER 1

Capital Structure: An Overview

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INTRODUCTION

According to Baker and Powell (2005, p. 4), financial management is “an integrated decision-making process concerned with acquiring, financing, and managing assets to accomplish some overall goal within a business entity.” Jensen (2001) indicates that among most financial economists the criterion for evaluating performance and deciding between alternative courses of action should be maximization of long-term market value of the firm. He notes that this value maximization proposition has its roots in 200 years of research in economics and finance. For publicly-held firms, the maximization of shareholder wealth is reflected in the market price of the stock. By maximizing shareholder wealth, managers are serving the interests of the firm’s owners as residual claimants. Under most circumstances, the premise of maximizing total firm value is also consistent with maximizing shareholder wealth.

This book focuses on one major aspect of financial management—how capital structure and financing decisions can contribute to maximizing the value of the firm. Financing decisions go hand in hand with investment decisions. That is, a firm needs sufficient funds to support its activities resulting from its investment decisions. Capital structure refers to the sources of financing employed by the firm. These sources include debt, equity, and hybrid securities that a firm uses to finance its assets, operations, and future growth. Often thought of in terms of financial leverage, a firm’s capital structure is a direct determinant of its overall risk and cost of capital. The sources of capital have important consequences for the firm and can affect its value and hence shareholder wealth. For example, while debt is the least costly form of capital, the effects of increasing leverage through the use of debt simultaneously increase financial risk. Borrowing not only increases the risk of default for a firm but also increases the volatility of a firm’s earnings per share and its return on equity. The benefits of a lower cost of debt decrease as leverage rises due to increasing financial risk and the likelihood of financial distress and bankruptcy. As with most financial decisions, financing decisions involve a risk-return trade-off. Given the dramatic changes that have occurred
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recently in the economy such as the global financial crisis, the topic of capital structure and corporate financing decisions is critically important.

Barclay and Smith (1999, p. 8) make the following observation:

*A perennial debate in corporate finance concerns the question of optimal capital structure: Given a level of total capital necessary to support a company’s activities, is there a way of dividing up that capital into debt and equity that maximizes current firm value? And if so, what are the critical factors in setting the leverage ratio for a given company?*

An *optimal capital structure* is the financing mix that maximizes the value of the firm. Yet, mixed views exist about whether an optimal capital structure actually exists. Some believe that a firm’s value does not depend on its financing mix, and hence an optimal capital structure does not exist. The modern theory of capital structure started with Modigliani and Miller (1958), who pioneered the research efforts relating capital structure and the value of the firm. In their seminal work, they show that under stringent conditions of competitive, frictionless, and complete capital markets, the value of a firm is independent of its capital structure. That is, managers cannot alter firm value or the cost of capital by the capital structures that they choose. Further, business risk alone determines the cost of capital. Thus, financing and capital structure decisions are not shareholder value enhancing and are deemed to be irrelevant. In reality, these conditions rarely exist. Empirical evidence suggests that financing does matter.

Others contend that managers can theoretically determine a firm’s optimal capital structure. During the last five decades, financial economists have relaxed the restrictive assumptions underlying the theory of capital structure irrelevance and have introduced capital market frictions into their models. By introducing capital market frictions, such as taxes, bankruptcy costs, and asymmetric information, they are able to explain at least some factors driving capital structure decisions. Consequently, financial economists have set forth various capital structure theories such as trade-off theory (Kraus and Litzenberger 1973), pecking order theory (Myers 1984; Myers and Majluf 1984), signaling (Ross 1977), and market timing theory (Baker and Wurgler 2002) to explain the relevance of capital structure. These theories relate directly to taxes, asymmetric information, agency problems, and bankruptcy costs. Taken separately, these theories cannot explain certain important facts about capital structure. Despite extensive research into the area of capital structure, determining the precise financing mix that maximizes the market value of the firm remains elusive.

**PURPOSE OF THE BOOK**

The purpose of this book is to provide an in-depth examination of important topics about capital structure and corporate financing decisions. The coverage extends from discussing basic components and existing theories to their application to increasingly complex and real-world situations. Throughout, the book emphasizes how a sound capital structure can simultaneously reduce a firm’s cost of capital while increasing value to shareholders. Given the sheer volume of theoretical and empirical studies involving capital structure and financing decisions, the prospect of surveying the extant literature is a formidable task.
Although coverage is not exhaustive, the book includes a review of several hundred articles. Leading academics and researchers from around the globe provide a synthesis of the current state of capital structure and give their views about its future direction.

FEATURES OF THE BOOK

Many finance books deal with capital structure. Yet, few, if any, offer the scope of coverage and breadth of viewpoints contained in this volume. The book differs from others in several major ways. Perhaps the book’s most distinctive feature is that it provides a comprehensive discussion of financial theory, empirical work, and practice involving corporate financial policies, strategies, and choices. This is an up-to-date book in terms of theoretical developments, empirical results, and practical applications.

Although the book cannot cover every topic on capital structure, given the voluminous amount of writing on the subject, it does seek to highlight some of the most important topics. The book takes a practical approach to capital structure by discussing why various theories make sense, the empirical support for them, and how firms use these theories to solve problems and to create wealth. This volume uses theoretical and mathematical derivations only when necessary to explain the topic. Although the book also reports the results of many empirical studies that link theory and practice, the objective is to distill them to their essential content so that they are understandable to the reader.

The book has six other distinguishing features.

1. The book contains contributions from numerous authors. This breadth of contributors provides a wide range of viewpoints and a rich interplay of ideas.
2. The book offers a strategic focus to help provide an understanding of how financing decisions relate to a firm’s overall corporate policy. Because financial decisions are interconnected, managers must incorporate them into the overall corporate strategy of the firm.
3. The book has a global focus and examines worldwide patterns in capital structure. It reviews research not only centered on U.S. firms but also from companies around the world.
4. This volume takes both a prescriptive and descriptive perspective. Using a prescriptive approach, it examines how corporate managers should make financial decisions to improve firm value. The book’s descriptive perspective discusses theories that shed light on which financial decisions managers make and analyzes the impact of these decisions on financial markets. The book also provides results from survey research describing actual financial practices of firms.
5. The book identifies areas needing future research in capital structure and financing decisions.
6. Each chapter except this introductory chapter contains a set of discussion questions to reinforce key aspects of the chapter’s content. A separate section near the end of the book provides a guideline answer to each question.
INTENDED AUDIENCE

The intended audience for this book includes academics, researchers, corporate managers, students, and others interested in capital structure and corporate financing decisions. Considering its extensive coverage and focus on the theoretical and empirical literature, this book should be appealing to academics and researchers as a critical resource. Given the book’s intuitive and largely nontechnical approach, it is geared toward helping corporate managers formulate policies and financial strategies that maximize firm value and policymakers in understanding capital structure choices. This volume can also stand alone or in tandem with another text or casebook for graduate and advanced undergraduate students, especially those in business or finance. This book should be especially useful in helping students develop the critical analytical skills required to understand the implications of capital structure. Finally, libraries should find this work to be suitable for reference purposes.

STRUCTURE OF THE BOOK

The remaining 23 chapters of this book are organized into four parts. A brief synopsis of each chapter follows.

Part I The Elements of Capital Structure

Chapters 2–7 provide an overview of the elements of capital structure. These chapters lay the foundation and discuss important principles and concepts involving capital structure. Chapters in this section examine the factors influencing capital structure decisions as well as the interactions among capital structure, strategy, risk, returns, and compensation. Additionally, this section identifies differences in capital structure across countries with different legal and institutional settings.

Chapter 2 Factors Affecting Capital Structure Decisions (Wolfgang Bessler, Wolfgang Drobetz, and Robin Kazemieh)

In perfect capital markets, capital structure decisions should not have any impact on the market value of a firm. However, once capital market frictions such as taxes, bankruptcy costs, and asymmetric information are introduced into the model, there are factors related to these frictions that affect capital structure decisions. This chapter provides a review of the main capital structure factors that have been identified in the literature. Survey evidence indicates that the most dominant factor that affects the decision to issue debt is maintaining financial flexibility. The major factors that determine the issuance of stock are earnings per share dilution and equity undervaluation or overvaluation. Results from regression studies using comprehensive firm-level data sets indicate that the most reliable factors for explaining corporate leverage are: market-to-book ratio (−), tangibility (+), profitability (−), firm size (+), expected inflation (+), and median industry leverage (+ effect on leverage).
Chapter 3  Capital Structure and Corporate Strategy (Maurizio La Rocca)
This chapter responds to the general call for integration between finance and strategy research by examining the relationship between capital structure decisions and corporate strategy. The literature on finance and strategy analyzes how the strategic actions of key players such as managers, shareholders, debt holders, competitors, workers, and suppliers affect firm value and its allocation between claimholders. Specifically, financing decisions can affect the value creation process by influencing efficient investment strategies due to conflicts of interest among managers, firm’s financial stakeholders, and firm’s nonfinancial stakeholders. In turn, the potential interactions between financial and nonfinancial stakeholders may give rise to inefficient managerial decisions or may shape the industry’s competitive dynamics to achieve a competitive advantage. A good integration between finance and strategy can be tantamount to a competitive weapon.

Chapter 4  Capital Structure and Firm Risk (Valentin Dimitrov)
With market frictions, the real and financial sides of the firm are interrelated. As a result, variables such as financial leverage can have important consequences for firm risk. Prior analytical work has identified several mechanisms through which financial leverage can affect risk but has not reached a consensus on the relative importance of these mechanisms. The empirical evidence is more conclusive. When subjected to adverse economic shocks, highly leveraged firms have lower growth in sales, make fewer investments, and are less likely to survive than firms with low leverage. These findings suggest that financial leverage amplifies negative shocks; it makes firms riskier. However, shareholders of highly leveraged firms do not appear to be compensated for this higher risk. Highly leveraged firms earn lower stock returns in the cross-section. Furthermore, increases in leverage are associated with low subsequent stock returns. These return patterns present a challenge to traditional capital asset pricing models.

Chapter 5  Capital Structure and Returns (Yaz Gulnur Muradoglu and Sheeja Sivaprasad)
This chapter examines the link between stock returns and leverage. Proposition II of the Modigliani-Miller theorem on capital structure postulates that stock returns increase with leverage due to the increase in financial risk attached to debt. A limited number of studies test this association empirically and find contradictory results. Some empirical studies report that a positive relationship exists between leverage and returns, but others find a negative relationship. This chapter summarizes the theories of capital structure and then presents empirical tests. It then discusses how conflicting empirical results may be attributed to the various definitions used in measuring stock returns and leverage, and to the sample selection procedures and methodologies adopted to test this relationship.

Chapter 6  Capital Structure and Compensation (Alan Victor Scott Douglas)
This chapter examines the interactions between capital structure and compensation. It begins by reviewing the basic determinants of capital structure, particularly as related to shareholder-bondholder conflicts relating to investment decisions. Well-designed managerial compensation can maintain efficient investment incentives and significantly alter the determinants of capital structure. Complications
arise, however, from managerial risk aversion and perquisite consumption as well as from managers trying to game the compensation-setting process. The empirical evidence indicates that two characteristics of compensation—sensitivity of pay to share price and to volatility—affect both the cost of capital and leverage. The evidence also identifies other factors affecting the compensation-capital structure relationship including the use of convertible debt, the maturity structure of the firm’s debt, and debt-like components of compensation. The literature has yet to fully develop the interactions, but to date characteristics of compensation may be important determinants of capital structure.

Chapter 7 Worldwide Patterns in Capital Structure (Carmen Cotei and Joseph Farhat)
Recent research in international capital structure shows that capital structure decisions are influenced not only by firm-specific and macroeconomic factors but also by legal traditions and the quality of institutions of countries in which they operate. The differences in legal traditions and institutional settings across countries have important implications for individual firms’ ability to raise capital needed to finance profitable growth opportunities. Firms operating in countries with weaker institutional settings and legal systems may have difficulty overcoming the higher information asymmetry and agency costs of debt. This can affect both the ability of firms to operate at the optimal capital structure and managers to maximize firm value.

Part II Capital Structure Choice
Chapters 8–14 discuss key factors involved in capital structure choice. Chapters 8–10 focus on major capital structure theories and their empirical tests. Chapter 11 shows how to implement the insights provided by theory into estimating a firm’s cost of capital. Chapter 12 discusses economic, regulatory, and industry effects on capital structure. Chapters 13 and 14 veer from traditional empirical studies that are based on large samples of financial data and provide empirical evidence from survey research. These two chapters, which discuss the results of major surveys, provide unique information about how corporate managers make financing decisions in practice.

Chapter 8 Capital Structure Theories and Empirical Tests: An Overview (Stein Frydenberg)
The findings of empirical capital structure studies are diverse, but a consensus exists stating that fixed assets, industry leverage, and size of firms have a positive effect on the debt level, while growth opportunities, profitability, and dividend payments have a negative effect. There are two main approaches to empirical tests of capital structure theory. The first is a static cross-section or a dynamic panel data approach where leverage is regressed against accounting variables that proxy for theoretical factors such as the firm’s tax position, potential for agency costs, expected bankruptcy costs, asymmetric information, and transaction costs. The evidence about the determinants of capital structure is robust across firms and countries. The second is a time-series approach that examines the effects of new issues of securities on stock price returns. While the literature reaches a consensus
about the direction of effects, it is far from reaching a consensus on the size of the effects.

Chapter 9  Capital Structure Irrelevance: The Modigliani-Miller Model (Sergei V. Cheremushkin)

Much debate exists about the real-world applications of the Modigliani-Miller theory given its highly restrictive assumptions. Although subsequent research identifies relevant factors affecting capital structure, additional work is needed to create a generalized analytical framework for determining capital structure under real-world conditions. This chapter provides a simple risk-shifting explanation that helps in understanding various problems and establishes the shapes of cost of debt and equity functions of leverage. This explanation offers several insights about the integration of trade-off theory and other approaches to dealing with market imperfections. A generalized cost of equity formula and an extended decision rule for capital budgeting are also presented.

Chapter 10  Trade-Off, Pecking Order, Signaling, and Market Timing Models (Anton Miglo)

Over recent years researchers have extensively tested the trade-off and pecking order theories of capital structure. Taken separately, these theories cannot explain certain important facts about capital structure. Market timing theory emerged after the publication of Baker and Wurgler (2002) as a separate theory of capital structure. The theoretical aspects of market timing theory are underdeveloped. A popular line of inquiry has emerged based on surveys of managers about their capital structure decisions. For example, Graham and Harvey (2001) report a large gap between theory and practice. The signaling theory of capital structure lacks empirical support for some of its core predictions. However, several new theories have emerged that contradict the notion of signaling quality through debt issuance. This chapter presents an overview of the pros and cons for each theory. A discussion of major recent papers and suggestions for future research are provided.


This chapter focuses on the challenges of estimating a company’s cost of capital. Its goal is to illustrate and improve the craft of such estimation. While theory offers sound conceptual advice, decision makers still face a host of practical choices. The chapter reports results for a wide array of publicly-traded companies and highlights areas in which best practice would especially benefit from future research. The investigation shows that analysts can benefit from using estimates from both single-company data and comparable firm averages to triangulate the cost of capital. The findings also reinforce the belief that cost of capital estimation is a craft and done best when informed by substantial knowledge and care in selecting comparable firms. Finally, the chapter suggests three areas for future attention in both research and practice: extensions to private firms, better gauges of capital structure impacts, and methods to estimate changes in equity market risk premiums over time.
Chapter 12  Economic, Regulatory, and Industry Effects on Capital Structure (Paroma Sanyal)

The purpose of this chapter is to provide a comprehensive study of the nonfinancial determinants of capital structure. This chapter focuses on three important sets of factors that influence a firm’s financing decision: (1) intercountry differences, (2) interindustry differences within a country, and (3) interfirm differences within the same industry. Within interindustry differences the focus is on the financing decision of firms in nonregulated versus regulated industries. By studying firms that are regulated and those that are transitioning from a regulated to a competitive environment, this chapter provides a unique window into how changing incentive structures influence financial choices of firms. Within firm-specific factors, this chapter highlights how small startups make their financing decisions.

Chapter 13  Survey Evidence on Financing Decisions and Cost of Capital (Franck Bancel and Usha R. Mittoo)

Survey evidence shows that managers in the United States and Europe identify financial flexibility as the main driver of debt policy and earnings per share dilution as the primary concern when issuing common stock. There is moderate support for the views that firms follow the trade-off theory, target their debt ratio, and use market timing when raising capital. Most managers use the capital asset pricing model (CAPM) to estimate cost of equity but a firm-wide discount rate to evaluate different projects. In making financing decisions, managers rely primarily on informal criteria and less on theories.

Chapter 14  Survey Evidence on Capital Structure: Non-U.S. Evidence (Abe de Jong and Patrick Verwijmeren)

Financial executives are responsible for making financing decisions that optimize firms’ financing arrangements. The capital structure literature has a rich set of theories that aim to prescribe optimal decisions or explain actual decisions. Most empirical research is based on publicly available data about firms’ financing structures and decisions in relation to characteristics of the market, the firm, and the decision maker. In survey research, the data often comes directly from the financial executives, which allows a direct assessment of theoretical predictions and constructs. This chapter describes survey evidence from countries other than the United States and also provides avenues for future survey research based on alternative survey-based research methods.

Part III Raising Capital

Chapters 15–19 explore various aspects of raising capital. Included are discussions about the effect of recent financial crises and potential regulatory changes that may occur. Chapter 15 highlights the functions of financial intermediaries while Chapter 16 examines the importance of bank relationships and the role of collateralization. Chapter 17 explores the role of credit rating agencies and credit insurance. Chapter 18 discusses the role that securitization plays in the capital-raising process. Chapter 19 provides an analysis of sale and leasebacks, a tool that simultaneously raises capital and recapitalizes the firm.
Chapter 15  The Roles of Financial Intermediaries in Raising Capital
(Neal Galpin)
This chapter reviews the literature on financial intermediation, with a focus on lending and underwriting activities. It begins by exploring the direct lending function of financial intermediaries, considering theoretically and empirically what role financial intermediaries play in providing capital. It also provides evidence on which type of financial intermediary is most appropriate for different types of borrowers. The chapter then reviews the theory and evidence on underwriting activities by financial intermediaries. With the repeal of the Glass-Steagall Act, a single intermediary can engage in both lending and underwriting, so the chapter next turns to theory and evidence on combining these services. Finally, because recent financial crises have drastically affected financial intermediaries, the chapter concludes with some recent work on crises and financial intermediation.

Chapter 16  Bank Relationships and Collateralization (Aron A. Gottesman and Gordon S. Roberts)
This chapter surveys the literature related to bank relationships and collateralization. Bank relationships are developed through the bank’s generation of proprietary information. Benefits of a bank relationship include the reduction in information asymmetries, superior monitoring, and the ability to negotiate contract terms. Costs include the soft-budget constraint problem and the hold-up problem. The primary market for loans is strengthened by a secondary loan market that has experienced significant growth and is both liquid and well-integrated with other markets. Borrowers engage in bonding when they pledge collateral, as its presence benefits lenders by controlling the agency problem of asset substitution and improving default recovery rates. Collateral also benefits borrowers by reducing loan spreads and facilitating access to financing. These benefits are greater for riskier borrowers, as they are most likely to engage in secured borrowing. Consequently, secured loans remain riskier and carry higher yields than unsecured loans, despite the role of collateral in reducing risk and spreads.

Chapter 17  Rating Agencies and Credit Insurance (John Patrick Hunt)
This chapter discusses credit ratings and their importance. It reviews the mixed event-study evidence on whether ratings are informative and other empirical evidence about rating performance during the financial crisis. The chapter also reviews recent work on the interrelated issues of the roles of reputation and competition in producing high-quality ratings. Although policymakers have assumed that rating-agency competition is good, economists’ theoretical conclusions and the empirical literature are mixed. In particular, models that incorporate ratings shopping often lead to the conclusion that competition is harmful. The chapter also reviews various aspects of U.S. rating-dependent financial regulation. The discussion of rating agencies concludes with a description of special legal protections the agencies claim and a review of recent proposals for reform. Finally, the chapter includes a brief discussion of bond insurance, a credit-protection mechanism that has been used extensively in the municipal and structured-finance markets.
Chapter 18  Secured Financing (Hugh Marble III)
Secured debt is often part of a firm’s capital structure. While private loans are far more likely than public debt to be secured, the majority of firms use some secured debt. The explanations for the choice of security provisions are generally focused on (1) mitigating agency conflicts between bondholders and stockholders, (2) signaling or mitigating information asymmetry, (3) improving incentives to monitor and efficiently liquidate, and (4) transferring wealth from other claimants to stockholders and secured lenders. This chapter addresses the theoretical arguments and empirical support for these explanations. At least some evidence is consistent with each of the first three arguments. The use of security provisions to improve monitoring and liquidation choices has the strongest empirical support.

Chapter 19  Sale and Leasebacks (Kyle S. Wells)
A sale and leaseback is an alternative to traditional financing in which the owner of an asset contracts to sell the asset and then to lease it from the buyer. Leasebacks differ from direct leasing in that the operating assets essentially remain unchanged. A leaseback is primarily a financing decision. Although much of the literature focuses on the benefits from differential taxation, empirical research suggests other reasons that firms use leasebacks. Primary among these is utilizing hidden value in the firm’s assets. This chapter discusses why a manager might choose a sale and leaseback and in what situations it could be an appropriate form of financing. The chapter also presents a summary of both the theoretical and empirical literature about leasebacks and provides anecdotal evidence of how a sale and leaseback transaction may affect a firm’s cash flows and financial statements.

Part IV Special Topics
Chapters 20–24 provide a discussion of various considerations concerning capital structure choice. Chapters 20 and 21 focus on the role financial distress and bankruptcy, which is a product of capital structure choice, play on the operations and governance of the firm. Next, Chapter 22 explores the decision to lease and its implications on capital structure. Chapter 23 examines private investments in public equity (PIPE), an increasingly important source of capital for small firms and explains how hedge funds essentially use PIPEs as a means to underwrite securities offerings without following the normal underwriting process. Finally, Chapter 24 discusses how the choice of financing M&As interacts with capital structure decisions and why firms actively adjust their capital structure before and after such transactions.

Chapter 20  Financial Distress and Bankruptcy (Kimberly J. Cornaggia)
Optimal debt levels are limited by expected costs of financial distress and bankruptcy. This chapter reviews a host of methods for gauging financial risk, with attention paid to the increasing use of off-balance-sheet financing. The chapter discusses direct and indirect costs associated with distress including those observed well before any default event. Other topics include the role of economic viability of financially distressed firms and internal and external sources of risk, including those from distressed rivals, customers, and suppliers. The chapter compares the formal bankruptcy process to private workouts and explains key provisions of
the Bankruptcy Code including changes made in 2005. Particular attention is paid to the inherent conflicts of interest among parties to the bankruptcy. Finally, the chapter reviews the literature pertaining to the resolution of financial distress both in and out of bankruptcy court.

**Chapter 21  Fiduciary Responsibility and Financial Distress (Remus D. Valsan and Moin A. Yahya)**

A legal debate exists regarding the fiduciary duties owed by directors to creditors, especially involving the “vicinity of insolvency.” Looking at the issue from a corporate finance perspective and using well-established theorems and results, the chapter shows that creditors can protect themselves. Studies show the extent to which creditors use covenants to protect themselves against opportunistic behavior by managers and shareholders. Debt can also increase the value of the firm and its shares. Therefore, the idea that shareholders use debt for opportunistic behavior is misplaced. Debt can align managerial incentives to maximize the value of the firm. Fiduciary duties should be owed to the corporation as a whole, which is essentially what happens in judicial practice.

**Chapter 22  The Leave versus Buy Decision (Sris Chatterjee and An Yan)**

Leasing an asset, in contrast to outright ownership, accounts for a large fraction of the market for fixed assets and durable goods. Leasing contracts exhibit many unique and complex features that provide a fertile ground for both theoretical and empirical research. This chapter provides an overview of models that try to explain why leasing can be a valuable financing option for many firms, why certain assets are more amenable to leasing as opposed to purchase, and why leasing has some special contractual features. Models are discussed that are based on taxes, asymmetric information, and incomplete contracts. The chapter also discusses some empirical findings including a review of a comprehensive test of the lease-versus-debt puzzle.

**Chapter 23  Private Investment in Public Equity (William K. Sjostrom Jr.)**

This chapter examines private investment in public equity (PIPE), an important source of financing for small public companies. The chapter describes common characteristics of PIPE deals, including the types of securities issued and the basic trading strategy employed by hedge funds, which are the most common investors in small company PIPEs. The chapter contends that by investing in a PIPE and promptly selling short the issuer’s common stock, a hedge fund is essentially underwriting a follow-on public offering while legally avoiding many of the regulations applicable to underwriters. This regulatory arbitrage enables hedge funds to secure the advantageous terms responsible for the market-beating returns they have garnered from PIPE investments. Additionally, the chapter details securities law compliance issues with respect to PIPE transactions and explores SEC PIPE-related enforcement actions.

**Chapter 24  Financing Corporate Mergers and Acquisitions (Wolfgang Bessler, Wolfgang Drobetz, and Jan Zimmermann)**

Mergers and acquisitions (M&As) are major corporate investment and financing events that raise some important issues from a financial perspective. These issues
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include: (1) the method of payment (i.e., paying with either stock or cash); (2) the financing of the transaction (i.e., using internal funds or issuing new equity or debt); and (3) the interaction between the financing requirements and the firm’s long-term target capital structure. This chapter analyzes these financial aspects of M&As and the interactions among them. The crucial factors for the method of payment decision are generally agency problems and particularly transaction risks such as overpayment and ownership considerations. Cash payments are mostly financed with internally generated funds and by issuing new debt, whereas equity payments are mainly associated with equity offerings. Nevertheless, the financing decision may also depend on the bidder’s current financial leverage. Consequently, firms often adjust their capital structure before and after an M&A to minimize deviations from their optimal capital structure. The analysis suggests that financing corporate M&As involves a complex system of dependencies and interactions among many factors.

SUMMARY AND CONCLUSIONS

Despite extensive research, financial economists still view capital structure as a puzzle in which all the pieces do not fit perfectly into place. Surveys by Graham and Harvey (2001); Bancel and Mittoo (2004); and Brounen, Dirk, de Jong, and Koedijk (2004, 2006) report gaps between theory and practice involving capital structure decisions. Although understanding in this area is incomplete and questions still remain on how firms should determine their financing mix, much theoretical and empirical evidence is available to provide guidance in unraveling the capital structure puzzle. The following chapters offer a wealth of useful information about the factors that influence capital structure and corporate financing decisions in the real world. Let’s now begin our journey into one of the most controversial and highly researched topics in corporate finance.

REFERENCES


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TMI Aircraft Finance, LLC and TMI Leasing, LLC and as an executive in finance and marketing for Textron Financial Corporation and Bell Helicopter Textron Inc. During his professional career he financed more than a billion dollars in aviation equipment including corporate and commercial fixed-wing aircraft, helicopters, turbine, and piston aircraft engines in more than 40 countries. Professor Martin holds a PhD and MS degrees in finance and MBA and BBA degrees in marketing from Texas A&M University.