Sheridan Titman Tony Martin Arthur J. Keown John D. Martin

FINANCIAL MANAGEMENT

Principles and Applications

7TH EDITION



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FINANCIAL MANAGEMENT

Principles and Applications

7TH EDITION

The seventh edition of *Financial Management: Principles and Applications* is dedicated to our families—the ones who love us the most.

To my parents, wife (Meg), and sons (Trevor, Elliot, and Gordon)

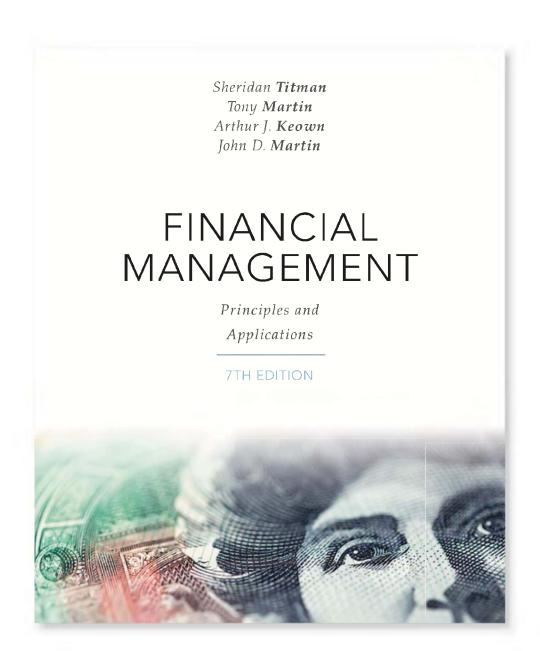
SHERIDAN TITMAN

To my wife, Minerva, and my son, Josh
TONY MARTIN

Barb, Emily, and Artie

ARTHUR J. KEOWN

To the Martin women (my wife Sally and daughter-in-law Mel), men (sons David and Jess), and boys (grandsons Luke and Burke)



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Teaching students the

Logic of Finance

The five principles of finance

Many finance textbooks show students only the mechanics of finance problem solving, but students learn better when given the intuition behind complex concepts. *Financial Management* shows students the reasoning behind financial decisions and connects all topics in the book to five key principles—the **five principles of finance**: PRINCIPLE 1, PRINCIPLE 2,

PRINCIPLE 3, PRINCIPLE 4 and P PRINCIPLE 5.

Each chapter opens with a helpful preview of the **principles** that are illustrated in the coming chapter so students can see the underlying and connecting themes and learn to recognise patterns. Principles are colour-coded for quick recognition.

The chapter-opening vignette provides a **real-world example** of the five principles applied in the chapter, many times reinforcing the rule by showing how 'forgetting' a principle might lead to financial troubles.

Each chapter-concluding **Summary** reviews the principles of finance in context for a deeper understancing and retention of chapter concepts.

Within the chapter, the authors draw on the five principles to illustrate concepts and explain the rationale behind financial decision-making. Look for: \square , \square , \square , \square , \square , \square

- PRINCIPLE 1: Money has a time value
- PRINCIPLE 2: There is a risk-return trade-off
- PRINCIPLE 3: Cash flows are the source of value
- PRINCIPLE 4: Market prices reflect information
- PRINCIPLE 5: Individuals respond to incentives

Applying the principles of finance to Chapter 5

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KEY TERMS
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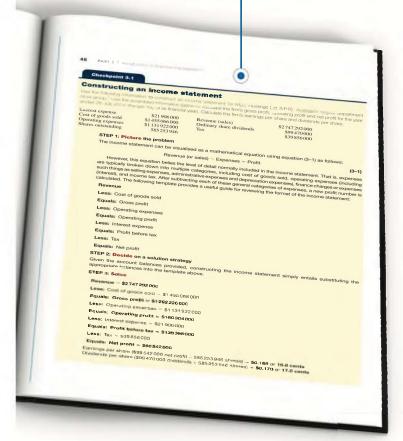
compound interest, page 133. The situation in which interest each or the participant during the loss permanent during the permanent during the loss second occasion, military in the permanent and during the second occasion that the control on the permanent and the control of the permanent and the permanent and the control of the permanent and the per

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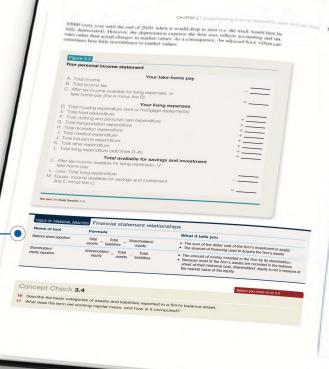
Tools for developing study skills

To be successful, finance students need hands-on practice opportunities that help them go beyond rote memorisation of formulae to a true understanding of the dynamics of solving finance problems.



Checkpoints model a consistent problemsolving technique which walks through each problem in five steps, including an analysis of the solution reached. Each Checkpoint concludes with an additional practise problem, with answer provided, on the same topic so students can test their mastery of the problemsolving approach. Then, students can take their knowledge to the test by completing the linked end-of-chapter problem(s).

Tools of financial analysis' boxes provide the student reader with a quick reference source for the decision tools used in financial analysis. This new boxed feature appears throughout the book and names each calculation or formula, displays it in equation form, and summarises 'What it tells you'.



PREFACE

The seventh edition of Financial Management: Principles and Applications is more than a revision of its predecessors. Sheridan Titman was added to the previous US edition author team, and with his energy and insight leading the way, the entire US version of this textbook was rewritten from the ground up, incorporating insights from recent academic research as well as noteworthy events, while retaining the student focus of prior editions. In this edition, we refined our approach further, making a number of pedagogical improvements that should make the material much more engaging to the undergraduate student. Tony Martin has then adapted the US version of the textbook for Australian students, retaining the basic structure and pedagogical approach of the US text but using recent Austral an research and citing real-life Australian examples throughout the text, and adapting the content as needed for an Australian legal and business context.

Our approach to financial management

The first-time student of finance will find that corporate finance builds upon both economics and accounting. Economics orovides much of the theory that underlies our techniques, whereas accounting provides the input or data on which decision making is based. Unfortunately, it is all too easy for students to lose sight of the logic that drives finance and to focus instead on memorising formulae and procedures. As a result, students have a difficult time understanding the relationships among the topics covered. Moreover, later in life when the problems encountered do not fit neatly into the textbook presentation, the student may have problems abstracting from what was learned. To overcome this problem, the opening chapter presents five basic principles of finance which are woven throughout the book. What results is a text tightly bound around these guiding principles. In essence, the student is presented with a cohesive, interrelated subject from which future, as yet unknown, problems can be approached.

Teaching an introductory finance class while faced with an ever-expanding discipline puts additional oressures on the instructor. What to cover, what to omit and how to make these decisions while maintaining a cohesive presentation are inescapable questions. In dealing with these questions, we have attempted to present the chapters in a stand-alone fashion so that they can easily be rearranged to fit almost any desired course structure and course length. Because the principles are woven into every chapter, the oresentation of the text remains tight regard ess of whether or not the chapters are rearranged. Again, our goal is to provide an enduring understanding of the basic tools and fundamental orinciples upon which finance is based. This foundation will give a student beginning his or her studies in finance a strong base on which to build future studies and it will give the student who takes only one finance class a lasting understanding of the basics of finance.

Although historical circumstances continue to serve as the driving force behind the development and practice of finance, the underlying principles that guide our discipline remain the same. These principles are presented in an intuitively appealing manner in Chapter 1 and thereafter are tied to all that follows. With a focus upon the big picture, we provide an introduction to financial decision making grounded in current financial theory and the current state of world economic conditions. This focus can be seen in a number of ways, perhaps the most obvious being the attention paid both to valuation and to the

capital markets, as well as their influence on corporate financial decisions. What results is an introductory treatment of a discipline rather than the treatment of a series of isolated finance problems, The goal of this text is to go beyond teaching the tools of a discipline or a trade and help students gain a complete understanding of the subject. This will give them the ability to apply what they have learned to new and yet unforeseen problems—in short, to educate students in finance.

A total learning package

Financial Management is not simply another introductory finance text. It is a total learning package which reflects the vitality of an ever-expanding discioline. Specifically, the seventh epition of Financial Management: Principles and Applications has been revised to include features with benefits designed to address seven key criteria:

CHALLENGE SOLUTION 1 Finance textbooks often show the • The seventh edition utilises five key principles to help mechanics of finance but do not students understand financial management so that they car focus on the intuition behind the mechanics of present the intuition. solving problems. 2 Students learn best when they are • A five-step problem-solving technique is used in fully actively engaged. worked-out examples called Checkpoints. These Checkpoints give students an opportunity to pause and test their comprehension of the key quantitative concepts as they are presented. The fifth step is a worked example, followed by a practise problem ('Check yourself') for students to try out a similar problem on their own. * 'Finance spotlight' boxed features bring in examples from 3 Student understanding and motivation are improved when other disciplines in the business school so that students concepts are applied to topics that can see the applicability of finance topics to their own have relevance to their lives. chosen professions, link important finance concepts to personal finance matters of high interest to students, and highlight international examples of corporate finance concepts. • End-of-chapter questions are linked to these boxed features to ensure that students have the opportunity to actively engage with the ideas presented. 4 An undergraduate textbook should * 'Tools of financial analysis' boxes are provided throughout provide meaningful pedagogical the text which 'Name the tool', provide the 'Formula' and aids to ensure student then tell the student 'What it tells you'. comprehension and retention. Each pedagogical feature in the chapter has significance and relevance to the chapter topics, and students are held accountable for the information therein. Designated end-of-chapter problems key off the examples used in the chapter-opening vignettes and in the inchapter boxed features. Company scenarios used in chapter-opening vignettes are woven into the chapter body itself. The end-of-chapter problems are labelled by the major chapter section headings to guide students to the relevant chapter content.

CHALLENGE

SOLUTION

- 5 Students often struggle with the mathematical rigour of this course and need an accessible presentation of the mathematics.
- The use of 'Tools of financial analysis' boxes provides the student with a clearly stated description of what the equation or formula tells us.
- We minimise the use of formulae when we can spell things out in plain English.
- We use a five-step procedure in our problem examples
 (called 'Checkpoints') which begins by visualising the problem
 graphically, describes a solution methodology, lays out all the
 necessary steps in the solution, and then interprets the
 solution by analysing the uncerlying content of the problem
 situation. The fifth step is a practise problem ('Check yourself')
 for students to try out a similar problem on their own.
- Financial management is a problem-solving course, so we provide many worked-out examples and have sorted the end of chapter materials by major chapter section to guide the student to the relevant segment of the chapter.
- Figures are enhanced with notes and 'talking boxes' which step students through the graphs and highlight key points.
- 6 Instructors find assigning and grading homework too time-consuming.
- MyFinanceLab gives students boundless opportunities to test their understanding of all of the book's learning objectives, and in the majority of cases gives them unlimited opportunities to practise and learn using algorithmic questions—questions that change every time the student attempts them.
- MyFinanceLab then provides a sophisticated assessment tool for instructors: it handles the gracing and allows instructors to create and assign tests, quizzes or graced assignments with ease.
- 7 Students often miss the big picture, viewing finance as a presentation of several loosely connected topics.
- The opening chapter presents five underlying principles of finance which serve as a springboard for the chapters and topics that follow. In essence, the student is presented with a cohesive, interrelated perspective from which future problems can be approached.
- The core of finance involves trying to assess the valuation consequences of business decisions in a wide variety of situations. Unfortunately, students often become so enmeshed in the details of a business problem that they have difficulty identifying the valuation consequences of its choices. To give students a guide for their analysis, we use five guiding principles that underlie the valuation of any investment.
- With a focus on the big picture, we provide an introduction to financial decision making grounded in current financial theory and in the current state of world economic conditions. What results is an introductory treatment of a discipline rather than the treatment of a series of isolated problems that face the financial manager. The goal of this text is not merely to teach the tools of a discipline or trade but also to enable students to abstract what is learned to new and yet unforeseen problems—in short, to educate the student in finance.

Learning aids in the text

An updated and refined organisational framework: The five principles of finance in this edition, we have refined the number of principles that underlie the text to five. They embody the 10 principles used in the previous sixth Australian edition, but in a tighter, more succinct way. This refinement is based on the US edition, however we have added a fifth principle, 'Principle 5: Individuals respond to incentives', to the original four basic principles used in the US text: 'Money has a time value'; There is a risk-return trade-off'; 'Cash flows are the source of value'; and 'Market prices reflect information'. Together, these five principles represent the economic theory that makes up the foundation of financial decision making and are woven throughout the chaoters of the book, providing the basis for focusing the reader on understanding the economic intuition rather than just the mechanics of solving problems. They are integrated throughout the text in the following ways:

- introduced in Chapter 1 using examples that students can relate to personally
- revisited in the chapter openers with reference to their application to each chapter's content
- specific reference is made throughout the text where the principles come to bear on the discussion.

A focus on valuation

Although many professors and instructors make valuation the central theme of their course, students often lose sight of this focus when reading their text. We have revised this edition to renforce this focus in the content and organisation of our text in some very concrete ways:

- First, as we mentioned earler, we build our discussion around five finance principles that
 provide the foundation for the valuation of any investment.
- Second, new topics are introduced in the context of 'What is the value proposition?' and 'How is the value of the enterprise affected?'.

NEW! A brand new principle of finance has been added: Principle 5: Individuals respond to incentives This principle looks at the power of incentives and the conflict of interest between the firm's managers and its shareholders. This principle appears repeatedly throughout the book, bringing the student's attention back to this problem and how it can be solved.

NEW! Tools of financial analysis A new boxed feature, 'Too's of financial analysis', has been introduced which provides the student reader with a quick reference source for the decision tools used in financial analysis. This boxed feature appears throughout the book and names each calculation or formula, displays it in equation form and summarises 'What it tells you'.

NEW! Expanded coverage of the ongoing world financial crisis Chapter 2 provides extensive coverage of the financial crisis that began in 2007, its causes, and where we stand today, inking this discussion to the principles of finance.

NEW! Expanded problem set Focusing on chapters with high problem usage, the problem sets have been strategically expanded to provide better problem choices by the instructor. As in the previous edition, all problem sets are organised by chapter section so that both the instructor and student can readily align text and problem materials.

NEW! Expanded coverage of interest rates and the yield curve Chapter 9 now contains a new section, 'The shape of the yield curve', to help the student better understand how the yield curve is impacted by the inflation premium and maturity-risk premium during times of increasing or decreasing inflat on. Much of this discussion is provided using a graphical approach.

NEW! Greatly expanded coverage of investment banking The role and functions of the investment banker are now presented in a much more complete manner, providing the student with an understanding of the role the investment banker plays in the fund-raising process.

NEW! Expanded use of real-world examples We provide ASX stock symbols in brackets following the names of real Australian companies throughout the text. This makes it possible for students to easily dentify when the example deals with an actual company and for the keen student to look further into that company if they so desire.

A multi-step approach to problem-solving and analysis As anyone who has taught the core undergraduate finance course knows, there is a wide range in students' maths comprehension and skill. Students who do not have the maths skills needed to master the subject end up memorising formulae rather than focusing on the analysis of business decisions using maths as a tool. We address this problem in terms of both content and pedagogy.

- First, we present maths only as a tool to help us analyse problems, and only when necessary.
 We do not present maths for its own sake.
- Second, finance s an analytical subject and requires that students be able to solve problems.
 To help with this process, numbered chapter examples called 'Checkpoints' appear throughout the book. Each of these examples follows a very detailed and mult-step approach to problem solving that helps students develop their own problem-solving skils.
 - 1 Step 1: Picture the problem. For example, if the problem involves a cash flow, we will first sketch the timeline. This step also entails writing down everything you know about the problem, which includes any relationships such as what fraction of the cash flow is distributed to each of the parties involved and when it is to be received or paid.
 - 2 Step 2: Decide on a solution strategy. For example, what is the appropriate formula to apply? How can a calculator or spreadsheet be used to 'crunch the numbers'?
 - 3 Step 3: Solve. Here, we provide a completely worked out, step-by-step solution. We first present a description of the solution in prose and then a corresponding mathematical implementation.
 - 4. Step 4: Analyse. We end each solution with an analysis of what the solution means. This emphasises the point that problem solving is about analysis and decision making. Moreover, at this step we emphasise the fact that decisions are often based on incomplete information, which requires the exercise of managerial judgment, a fact of life that is often learned on the job.
 - **5. Step 5: Check yourself.** Immediately following the presentation of each new problem type we include a practise problem that gives the student the opportunity to practise the type of calculation used in the example.

Content-enriched tables and figures Students today are visual learners. They are used to scanning Internet sites to earn at a glance without the need to ferret out the meaning of a printed page. Rather than see this as a negative, we think, instead, that students (and we) are all the beneficiaries of a media revolution which allows us to learn quickly and easily using graphic design and interactive software. Textbooks have been slow to respond to this new way of absorbing information. In this text, the key elements of each chapter can quite literally be gleaned (reviewed) from the chapter tables, figures and examples. This means that all tables and figures are 'content enriched'. They are captioned, labelled in detail, and carefully inked so as to make them useful as a stand-alone tool for reviewing the chapter content.

Finance Spotlight boxes apoly the chapter concepts to personal financial problems that students encounter in their daily lives and/or demonstrate how the chapter content applies to international business.

Figures include floating call-outs with descriptive annotations designed to highlight key points in the figures and facilitate student learning.

Figure and table captions describe the objective of the figure or table and necessary background information so that its content can be easily understood. This allows students to review the chapter content by scanning the figures and tables directly.

Equations are written out in plain English with minimal use of acronyms and aboreviations.

Calculators have been integrated throughout the text. Thus students have access to both methods of problem solving.

Chapter summaries have been rewritten and are organ sed around the chapter objectives.

Study Questions on the main concepts in the chapter are listed in the order in which the materials were discussed in the chapter for easy student reference.

New to this edition

Content updating

In response to the continued development of financial thought, reviewer comments and the recent economic crisis, changes have been made in the text. Content has been reordered to allow for a more intuitive breakdown into five parts. The large number of learning objectives from the previous Australian edition has been restructured and simplified to enable the student to more clearly focus on the key learning objectives of his or her course. A more streamlined list of learning objectives allows for clearer links between the learning objectives, the chapter content, the end-of-chapter questions and problems and MyFinanceLab questions and problems.

One or more mini-cases have been added to the end of all chaoters to provide a more comprehensive example of how to implement the principles and concepts discussed in the chapter to real-life situations. End-of-chapter questions and problems have been revised and expanded.

The following list highlights some of the important changes that were made n each of the book's 20 chapters.

Chapter 1

GETTING STARTED-PRINCIPLES OF FINANCE

- . The 10 principles used in the previous Australian edition have been condensed into five principles, facilitating a more concise and focused approach to an understanding of the basic principles of finance.
- The discussion of the five principles has been revised, increasing the currency of the discussion.
- The chapter has been updated and revised to make it as intuitive as possible.
- A new section on 'Ethical considerations in finance' has been added, including a real-life Finance Spotlight example.
- In addition, new examples have been added.

Chapter 2

FIRMS AND THE FINANCIAL MARKET

- · This chapter has been significantly revised to reflect the recent changes in the financial markets. It has been renumbered from Chapter 3 to Chapter 2 in order to continue Chapter 1's introduction of firms and show their role in, and how they are affected by, financial markets.
- A new section, 'Financial markets and the financial crisis', was added.
- The discussion of securities markets has been revised to reflect the recent technological advances coupled with deregulation and increased competition, which have blurred the difference between an organised exchange and the over-the-counter market.

Chapter 3

UNDERSTANDING FINANCIAL STATEMENTS, TAXES AND CASH FLOWS

- Chapter 2 from the Austral an edition has been renumbered Chapter 3 and substantially
 revised, resulting in a comprehensive chapter which focuses on the relationship between a
 firm's financial statements, tax and cash flow.
- A discussion of the role of independent outside audits of a firm's financial statements to address principal—agent problems related to new Principe 5 ('Individuals respond to incentives') has been added.
- A detailed expanation of Australia's dividend imputation taxation system is provided, with worked examples, and the discussion includes a comparison with 'classical' taxation systems.
- Company tax and personal income tax are introduced in Chapter 3, but a detailed discussion
 of the difference between tax on personal income and tax on capital gains is deferred to
 Chapter 16, where they are discussed in the context of their potential effects on
 dividend policy.
- The concept of 'quality of firm earnings' has been added to the discussion of firm earnings and cash flow.

Chapter 4

FINANCIAL ANALYSIS - SIZING UP FIRM PERFORMANCE

- Updated Checkpoint examples have been added to reflect current financial statements of example companies.
- In this chapter, the 'Tools of financial analysis' boxed feature is used to summarise each type
 of financial ratio and serve as a single point of reference for students when reviewing the
 material.

Chapters 5 and 6

THE TIME VALUE OF MONEY—THE BASICS, and

THE TIME VALUE OF MONEY—ANNUITIES AND OTHER TOPICS

- Chapter 4 from the previous Australian edition has been split into two chapters in this edition (Chapters 5 and 6) in order to introduce and explain the concept of the time value of money before delving deeper into the financial mathematics tools needed to make decisions in light of the time value of money.
- The chapters have been revised with an eye toward making the content more accessible to 'maths-phobic' students.
- The problem set has been expanded, with emphasis on time value of money problems with a complex stream of cash flows.

Chapter 7

AN INTRODUCTION TO RISK AND RETURN—HISTORY OF FINANCIAL MARKET RETURNS

- Chapter 9 from the previous Australian edition has been split into two chapters (Chapters 7 and 8) in order to introduce students to the concepts of risk and return and examine historic rates of return in Australia and world markets, before delving further into the calculation of the risk and return of a portfolio, the security market line and the CAPM.
- Updated tables and figures have been added, comprising data on the rates of returns that investors have earned over the ong term for different types of security investments.
- Revised discuss on of the geometric and arithmetic means has been added to make the importance of the type of mean used in our analysis of historical returns more transparent.

Chapter 8

RISK AND RETURN—CAPITAL MARKET THEORY

- A revised discussion of beta and its estimation from historical return data has been added.
- The capita asset oricing model is now presented in a 'Tools of financial analysis' boxed feature which provides the student reader with a quick reference source for this critical tool.
- Portfolio mean-variance and portfolio beta 'Tools of financial analysis' features display and explain relevant formulae.

Chapter 9

DEBT VALUATION AND INTEREST RATES

- Chapters 10, 18 and 19 from the previous Australian edition have been reorganised and divided into two chapters (Chapters 9 and 10) in order to deal comprehensively, but separately, with the nature and value of bonds on the one hand and shares on the other.
- . A major discussion of the role and functions of the investment banker has been added to the section on borrowing money in the public financial market.
- . A new section on 'The shape of the yield curve' has been added to help the student better understand how the yield curve is impacted by the inflation premium and maturity-risk premium during times of increasing or decreasing inflation.
- Bond valuation is now also presented in a 'Tools of financial analysis' boxed feature, providing the student reader with a quick reference source for the calculation of bond value with annual and semi-annual interest payments, along with calculation of the expected yeld to maturity. The section titled 'Determinants of interest rates' has undergone a major re-write and expansion.

Chapter 10

SHARE VALUATION

 Ordinary share valuation is now also presented in a 'Tools of financial analysis' boxed feature, providing the student reader with a quick reference source for the general formula for an ordinary share, assuming a constant dividend growth rate; the investor's required rate of return using the CAPM; and a calculation for the dividend growth rate.

Chapter 11

INVESTMENT DECISION CRITERIA

- Tools of financial analysis' boxed features incorporate pros and cons of using each tool as wel as a definition of the concept and description of its use.
- The discussion of the equivalent annual cost (EAC) metric has been totally revised in an effort to simplify the discussion and link it more closely to net present value (NPV).
- . The modified internal rate of return (MIRR) discussion has been expanded, and the various techniques for calculating it are described in detail along with a careful listing of the limitations of the measure.
- 'Tools of financial analysis' boxed features are used to summarise each tool of capitalbudgeting analysis and provide the student reader with a ready point of reference for reviewing the chapter.
- The importance of Principle 5 ('Individuals respond to incentives') is emphasised as it pertains to the evaluation of significant new investments by the firm's management.

Chapter 12

ANALYSING PROJECT CASH FLOWS

- New Principle 5 ('Individuals respond to incentives') is highlighted as it impacts the estimates managers make of the cash flows of pet projects and the distortion this can bring to the capital-budgeting process.
- An expanded 'Tools of financ all analysis' boxed feature has been added.

New introductory free cash-flow calculation problems have been added. These problems
were designed to be used as a first assignment after reading the chapter and are very
straightforward exercises.

Chapter 13

RISK ANALYSIS AND PROJECT EVALUATION

- The conflict of interest that underlies Principle 5 ("Individuals respond to incentives") is used to
 discuss the reluctance of frms to use multiple discount rates for divisions or business units.
- Tools of financial analysis' boxed features provide discussion of the break-even tool and an explanation of the degree of operating leverage definition.

Chapter 14

THE COST OF CAPITAL

- The chapter includes discussion of new Principle 5 'Individuals respond to incentives' as it relates to division budgets and manager incentives.
- A new study problem has been added which focuses on the limitations of the percent of sales forecast method.
- All rates-of-return data have been updated to current rates. This includes the bond spread data used to evaluate the cost of debt financing.
- New graphs for CAPM problems have been added.
- Cost-of-debt problems have been added which utilise the spread to Treasury data provided in the chapter. In addition, 12 existing problems have been revised to clarify the issues involved in the exercise.

Chapter 15

CAPITAL-STRUCTURE POLICY

- Chapters 15 and 16 from the previous Australian edition have been combined into a comprehensive discussion of the issues relating to capital structure theory.
- Tools of financial analysis' boxed features are used to summarise both captal structure ratios
 and coverage ratios, and provide the student reader with a ready point of reference for
 reviewing the chapter.
- The concept of enterprise value as an alternative measure of firm value has been introduced and explained.

Chapter 16

DIVIDEND POLICY

• The number of learning objectives has been reduced from six to three, which reflects the simplified presentation of the chapter materials.

Chapter 17

FINANCIAL FORECASTING AND PLANNING

- Chapter examples and 'Checkpoint' exercises have been added.
- The equation for discretionary financing needed (DFN) is now summarised in a 'Tools of financial analysis' boxed feature.

Chapter 18

WORKING CAPITAL MANAGEMENT

- Chapters 7 and 8 from the previous Australian edition have been combined into a comprehensive chapter on working capital management, including sections on the management of current liabilities and current assets
- A 'Tools of financia analysis' boxed feature has been added to explain the cost of forgoing a
 cash discount.

Chapter 19

INTERNATIONAL BUSINESS FINANCE

- This chapter has been revised dramatically and updated to reflect changes in exchange rates
 and in the global financial markets in general and to allow for the presentation of the material
 in a more intuitive and simple manner.
- The discussion of currency cross rates has been simplified and made more intuitive.

Chapter 20

CORPORATE RISK MANAGEMENT

- This chapter has been revised to reflect changes in the tools of corporate risk management and to allow for a more intuitive presentation.
- The Black-Scholes ootion pricing equation is now summarised in new 'Tools of financial
 analysis' boxed features which high ight the equation and its components as well as provide
 an intuitive discussion of the variables important in determining the value of an option.

Learning aids supplemental to the text

Financial Management integrates the most advanced technology available to assist the student and the instructor. Not only does it make their Financial Management come alive with the most current information, but it also enhances a total understanding of all tools and concepts necessary in mastering the course.

A suite of resources is provided to assist with delivery of the text, as well as to support teaching and learning.

Solutions Manual

The Solutions Manual provides educators with detailed, accuracy-verified solutions to all the inchapter and end-of-chapter problems in the book (except for the Concept Check Questions, which are covered by all other questions).

Test Bank

The Test Bank provides a wealth of accuracy-verified testing material. Updated for the new edition, each chapter offers a wide variety of multiple-choice questions, arranged by heading and tagged by AASCB standards.

Every question is available in TestGen® software for both Windows® and Macintosh® computers. This easy-to-use testing software is a valuable test preparation tool that allows educators to customise, save, and generate classroom tests.

PowerPoint Lecture Slides

A comprehensive set of PowerPoint slides can be used by educators for class presentations or by students for lecture preview or review. They include key figures and tables, as well as a summary of key concepts and examples from the text.

Digital Image PowerPoint Slides

All the diagrams and tables from the text are available for lecturer use.

MAKING THE MOST OF YOUR RESOURCES

MyFinanceLab for Titman/Martin/Keown/Martin

Financial Management: Principles and Applications, 7th edition

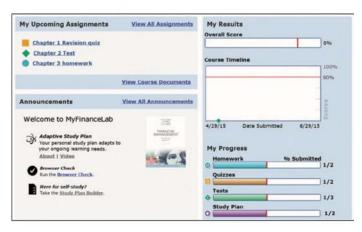
A guided tour for students and educators

www.pearson.com.au/titman7



Study Plan

A Study Plan is generated from each student's results on a pretest. Students can clearly see which topics they have mastered and, more importantly, which they need to work on.



Learning Resources

To further reinforce understanding, Study Plan and Homework problems link to the following learning resources:

- the relevant section of the eText, so students can review key concepts
- Help Me Solve This, which walks students through the problem with step-by-step help and feedback without giving away the answer.