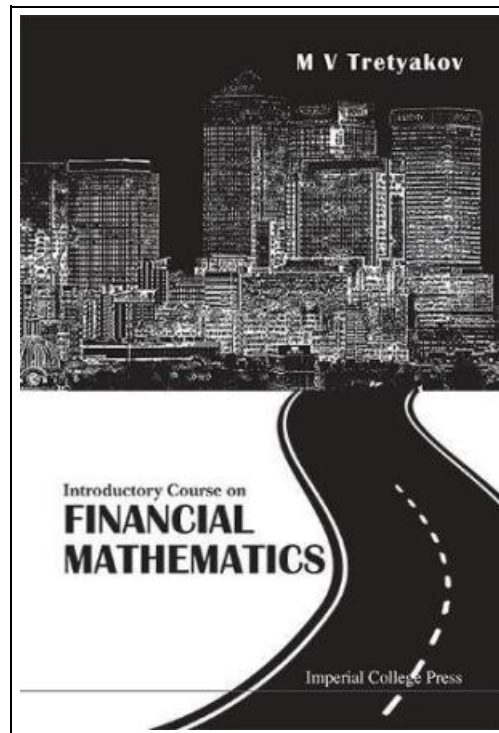


## Introductory Course On Financial Mathematics (Hardback)



Filesize: 3.84 MB

### **Reviews**

*This written publication is wonderful. It is probably the most incredible publication i actually have read through. Its been written in an extremely basic way in fact it is merely following i finished reading this publication where basically transformed me, alter the way i believe.*

*(Adan Fritsch)*

## INTRODUCTORY COURSE ON FINANCIAL MATHEMATICS (HARDBACK)

[DOWNLOAD](#)

Imperial College Press, United Kingdom, 2013. Hardback. Condition: New. Language: English. Brand new Book. This book is an elementary introduction to the basic concepts of financial mathematics with a central focus on discrete models and an aim to demonstrate simple, but widely used, financial derivatives for managing market risks. Only a basic knowledge of probability, real analysis, ordinary differential equations, linear algebra and some common sense are required to understand the concepts considered in this book. Financial mathematics is an application of advanced mathematical and statistical methods to financial management and markets, with a main objective of quantifying and hedging risks. Since the book aims to present the basics of financial mathematics to the reader, only essential elements of probability and stochastic analysis are given to explain ideas concerning derivative pricing and hedging. To keep the reader intrigued and motivated, the book has a 'sandwich' structure: probability and stochastics are given in situ where mathematics can be readily illustrated by application to finance. The first part of the book introduces one of the main principles in finance - 'no arbitrage pricing'. It also introduces main financial instruments such as forward and futures contracts, bonds and swaps, and options. The second part deals with pricing and hedging of European- and American-type options in the discrete-time setting. In addition, the concept of complete and incomplete markets is discussed. Elementary probability is briefly revised and discrete-time discrete-space stochastic processes used in financial modelling are considered. The third part introduces the Wiener process, Ito integrals and stochastic differential equations, but its main focus is the famous Black-Scholes formula for pricing European options. Some guidance for further study within this exciting and rapidly changing field is given in the concluding chapter. There are approximately 100 exercises interspersed throughout the book, and solutions for most problems are provided...

[Read Introductory Course On Financial Mathematics \(Hardback\) Online](#)[Download PDF Introductory Course On Financial Mathematics \(Hardback\)](#)

## See Also



### **An Undergraduate Introduction to Financial Mathematics (3rd edition)**

World Scientific Publishing Co Pte Ltd. Hardback. Condition: new. BRAND NEW, An Undergraduate Introduction to Financial Mathematics (3rd edition), J. Robert Buchanan, This textbook provides an introduction to financial mathematics and financial engineering for undergraduate...

[Read](#) [Document](#)

»



### **Introduction to Mathematical Finance: Discrete Time Models (Hardback)**

John Wiley and Sons Ltd, United Kingdom, 1997. Hardback. Condition: New. Language: English. Brand new Book. This book is designed to serve as a textbook for advanced undergraduate and beginning graduate students who seek a...

[Read](#) [Document](#)

»



### **Options Pricing and Portfolio Optimization: Modern Methods of Financial Mathematics (Hardback)**

American Mathematical Society, United States, 2001. Hardback. Condition: New. Language: English. Brand new Book. Understanding and working with the current models of financial markets requires a sound knowledge of the mathematical tools and ideas from...

[Read](#) [Document](#)

»



### **Financial Mathematics: An Introduction (Hardback)**

Alpha Science International Ltd, United Kingdom, 2013. Hardback. Condition: New. Language: English. Brand new Book. "Introductory Financial Mathematics" attempts to provide an introductory text on Financial Mathematics to cater to the needs of students at...

[Read](#) [Document](#)

»



### **How to Be a Man (Hardback)**

HarperCollins Publishers, United Kingdom, 2018. Hardback. Condition: New. Language: English. Brand new Book. Are men supposed to be fighters? Lovers? Hunter-gatherers? Fashionistas? Business gurus? Culinary experts? You're wrong if you think one man can't be...

[Read](#) [Document](#)

»