

**TRINITY INTERNATIONAL UNIVERSITY**

**presents the**

**GENERAL AND AVAILABLE DEGREE PROSPECTUS**

**2006 – 2007**

**for the**

**M Sc (Hons) in Financial Management**

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## 1. GENERAL INFORMATION

### ABOUT THE DEGREE PROGRAMS

**Specially prepared by**

**Professor Dr J Potgieter  
Course Director  
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These undergraduate and postgraduate degree courses have been specially prepared for distance learning purposes and are intended to fill the special needs for the university. Students will be entitled to receive credit for life-work experience based on the norms and standards set by CAEL and previously completed studies at recognized academic institutions under the University's accreditation for prior learning program.

Undergraduate degree programs are designed for students who wish to pursue a scientific related program in either the scientific or managerial science fields of endeavor.

These programs are designed and have been compiled from sources and materials NOT RELATED to any existing degree programs offered anywhere. The textbooks selected and syllabuses are based according to the latest materials, developments, technologies and systems applicable in the field of endeavor.

All courses are textbook related and suitable assignments and examinations are set for each course to be completed by students. Where applicable, fieldwork and practical work will be prescribed. Theses and assignments must follow the usual format and structure requirements set by each faculty.

## 2. DEGREE SUPERVISORS

**Under the guidance of Prof Dr J Potgieter PhD (Eng), PhD (Aviation Science), D Lit, D Sc (hc), PhD (Bus Admin), D Eng (Industrial Eng) the following programs are supervised:**

B Sc (Hons) Industrial Engineering (Electrical and Mechanical Majors)  
 B Sc (Hons) Agricultural Science  
 B Sc (Hons) Agricultural Engineering  
 B Sc (Hons) Agricultural Management  
 B Sc (Hons) Hydrological Science  
 B Sc (Hons) Mechatronics Engineering  
 B Sc Forensic Science  
 M Sc Forensic Science

**Under the guidance of Prof S M Keong PhD(Eng), PhD (Eng Mgt), D Sc (Concrete), M Sc (Civil Eng), M Sc (Geot Eng), C Eng, MICE, MIEE, MCIOB, FBEng, FSE, C Math the following programs are supervised:**

B Sc (Hons) Structural Engineering  
 B Sc (Hons) Concrete Technology  
 B Sc (Hons) Soil Science Technology

**Under the guidance of Professor Dr S Grima B Com, B Com (Hons), M Sc (Fin Man), M Sc (Accountancy), PhD (Finance), FIPFM, FDTMS, FIAB, AFA the following program is supervised:**

M Sc Financial Management

### 3. ENROLLMENT INFORMATION AND COURSE FEES

Here are the fees for the available degrees:

Degree	Cost
Associate Degree (as separate degree or part of Bachelors Degree):	\$1800-00 USD
Bachelors Degree (excluding associate degree)	\$1800-00 USD
Bachelors Degree (including Associate Degree)	\$3600-00 USD
Masters Degree	\$2600-00 USD
PhD (in any approved field of research)	\$3600-00 USD

Textbooks are NOT included and are separately quoted. Costs depend on the nature of the program, exemption granted as well as courier/transportation and importation/tax fees applicable to the student's country of residence.

#### PAYMENT METHODS

We accept: Personal checks, bank drafts, electronic transfer and credit card payments. Payment by means of installments must be arranged.

#### ENROLLMENT DETAILS AND ADDRESS

Internet enrollments are possible on our website at: [www.trinityinternationalcu.com](http://www.trinityinternationalcu.com) by following the instructions. Applicable fees are payable by means of a personal check, draft, direct transfer or credit card payments. We accept installments and any approved arrangements for payment of fees.

Dear Prospective Student: Kindly forward your completed enrollment form and supporting documents to the address below:

The Course Director  
P O Box 306  
Ladismith Cape  
6655  
Republic of South Africa

**Tel:** +27 28 5512098 **Fax:** +27 28 5511305 **E-mail:** [johanp@telkomsa.net](mailto:johanp@telkomsa.net)

### 4. THE STUDY PROCESS

All admitted students will be studying through the method of distance learning and, in some cases, utilize the Internet for research. Student recourses are also available at the Design, Technology and Management Society International's [website](#).

Each enrolled student will study under the guidance of the appointed professor and present all completed work directly to the Course Director for ALL PROGRAMS.

## 5. COURSE STRUCTURE

The programs have been structured to ensure they are suitable to any organization or person anywhere in the world. Students will be able to commence with their studies any time of the year. The programs are structured to allow a) students without a high school diploma or b) mature students to study up to the highest degree level. Students without the usual entrance level qualification, but with acceptable basic knowledge are welcome to apply and will be able to study their intended program from first principles. Bridging courses will be prescribed to ensure that the student has the required level of knowledge. Many introductory courses have enough scope and are of such nature, which allows students to advance up to degree level and prepare students for more advanced level work.

### OVERVIEW

#### Objective

The programs are designed for students who wish to study their field of interest most suitable to them. The course programs are suitable for students anywhere in the world and will be complimented with fieldwork, practical requirements and coursework as well as assignments most suitable to the needs of each student. Where applicable, courses will be adapted for special needs on topics, study areas and research areas not included as listed in the various programs. These programs are suitable for distance education or campus learning centers approved by the Course Director. The purpose is also to enable students to acquire the knowledge and theoretical understanding with skills to equip them to advance from basic principles to the higher level in their fields of study. We further strive to provide the mature candidate whom has gained acceptable training, education and experience, an acceptable method to advance to the higher degree levels in his/her career. Our third aim is to ensure that candidates develop their professional careers and gain acceptance through membership or certification or by joining international or local professional institutions.

#### ENTRY METHOD (as indicated on the [Admissions Page](#))

- A suitable school level certificate (to advance through studies to senior school certificate level), or
- A senior school leaving certificate/diploma for degree candidates
- Mature students with suitable training and experience

#### EXEMPTIONS (as indicated on the [Admissions Page](#))

Students with completed courses, certificates, diplomas or degrees will be considered for exemption. Partial exemption may be granted where applicable. Additional coursework will be prescribed, to complete the outstanding coursework in question in order to gain full credit for each course where applicable.

#### DURATION

No time limit is set but as a guide the usual durations are:

Associate degrees - from one to two years

Bachelor's degree programs - from two to four years

Master's degree programs - from one to two years

Doctorates - from two to three years, depending on the amount of work involved.

## LEARNING METHODS

- Coursework requirements assignments
- Textbook related studies, notes and articles,
- Fieldwork, research, practical work assignments
- Learning sources such as libraries, Internet and dedicated learning sources

## METHOD OF ASSESSMENT

Assignments, projects, independent projects, examinations and independent theses or projects and dissertations as applicable to assess student professionalism.

## TEXTBOOKS

Textbooks are prescribed for each course. Where applicable additional learning sources available on the Internet will be utilized. The Course Director will assist students with the arrangement and ordering of textbooks. An estimate will be given to students giving the cost for the textbooks related to his/her studies. Students are responsible for additional study aids, notepads and any other equipment required to study efficiently. A complete reading list will be given for each degree programs upon successful admission to your program of choice.

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## 6. STUDENT DOCUMENTATION

All students at all degree levels will receive the following:

- Information about the required textbooks.
  - Study instructions and assignments.
  - Coursework and fieldwork as required.
  - Syllabus details for each course.
  - Student handbook – basic study requirements and information
  - Student guidelines on how to prepare assignments, theses, proposals and dissertations.
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## 7. CREDENTIAL EVALUATION

A document that attest that your degree is equivalent to a regionally accredited US or Canadian degree, can be obtained from ECE International. Costs, directly payable to ECE International ([http://www.eceinternational.com/fees\\_tiu.html](http://www.eceinternational.com/fees_tiu.html)) amount to \$175.00, which includes FedEx delivery.

Please note that this document must be requested by the student separately as it is evaluated independently to equate same with Accredited US Degree.

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## 8. DEGREE COURSES

### M Sc (Hons) IN FINANCIAL MANAGEMENT

#### Method of Assessment

Two compulsory assignments are set for each Module. These have to be sent in as per timetable dates set out in the course package. The student must at least score a 55% on average in the two assignments to be able to proceed to the examination stage. A closed book three-hour examination, per subject, similar to the specimen sent with the package, taken at the end of the study year after all coursework has been completed.

**Successful completion of each Subject** – entitles the Student to a certificate in that subject.

**Successful completion of each Module** – entitles the Student to a Diploma in that Module.

**Successful completion of Modules 1, 3, 4, 5 & 7** - entitles the Student to a Postgraduate Diploma in Investments.

**Successful completion of all Modules** - entitles the Student to a Master of Science Degree in Financial Management.

#### Persons who should study for this degree

Auditors, Compliance Officers. Regulators, Investment Analysts, Financial Advisors, Bank Officials and Accountants

#### Course Duration: 3 years

##### Module 1

1BFM001	Bank Financial Management
1MNM001	Marketing Management

##### Module 2

1FNR001	Financial Reporting
1MAC001	Financial Accounts

##### Module 3

1AUD001	Auditing
1IDA001	Investments and Derivative Auditing
1FDI001	Fraud Detection and Investigations

##### Module 4

1PMP001	Portfolio Analysis and Investment Portfolio Management
1DER001	Derivatives
1EMM001	Emerging Markets

##### Module 5

1CFN001	Corporate Finance
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##### Module 6

1TAX001	Taxation
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##### Module 7

1FMM001	Financial Mathematics
1ECC001	Econometrics

##### Module 8

1EUD001	EU Directives and Regulations
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**Module 9**Thesis – 30,000 to 40,000 words

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## 9. DEGREE SYLLABUS

### 9.1 GENERAL INFORMATION

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#### GENERAL NOTES AND INFORMATION APPLICABLE TO EACH COURSE

##### Pre-requisites

Will be stated if required, but as a guide the structure of the courses and the sequence determine the basic requirements in each case. Usually, mathematics, physics and chemistry are the major tools and form the basic in each case for each program. This is followed by courses required in each case to fulfil the needs for successful completion during the entire study process.

**Number of Credits:** 3

##### Hours Assigned:

2 hours/week x 14 weeks or the equivalent via distance learning = 28 hours

##### Laboratory/practical:

2 hours/week x 7 weeks or its equivalent via distance learning = 14 hours

Total = 42 hours

##### Contents:

Each course contents are listed below and the general notes and information is applicable to each program.

##### Objectives A: The subject syllabus provide students with -

- 1 The basic skills for analyzing and improving working methods, procedures and systems in the context of the workstation and a department taking into account ergonomic considerations so that they are able to carry out a production management project in a company for the purpose of management and productivity improvement.
- 2 Skills in the use of compilation of work measurement data and to have a basic understanding of the techniques and importance of qualifying work in manufacturing and service industries hence to be able to measure the work content
- 3 A working knowledge of the techniques of facilities layout and their interaction with the material handling system (where relevant), to enable them to evaluate an existing production system and recommend improvements and/or to plan a new system.

##### Objectives B: The subject aims to -

- 1 Provide students with an understanding of the basic principles and techniques involved in management of people and engineering in the production of goods and services.
- 2 Enable students to appreciate the importance of quality management.
- 3 Ensure students are aware of the effects on engineering organizations of the factors in the environment within which they operate.

**Objectives C: Provide students with -**

- 1 The ability to perform research, use the knowledge obtained from each course of the program and to compile and sort the information obtained.
- 2 To be able to use the knowledge obtained to write the research project and to use proper methods, language and techniques to complete the task. Be able to use computer packages and software for the preparation of research projects and reports.

**Teaching and Learning Approach:**

A mixture of lectures, tutorial exercises and case studies will be used to deliver the various topics in the subject. Some will be covered in a problem-based format where this enhances the learning objectives. Others will be covered through directed study in order to enhance the student's ability of what to learn. Some case studies, largely based on consultancy experience, will be used to integrate these topics and thus demonstrate to students how the various techniques are inter-related and how they apply in real situations.

**Assessment:**

Coursework - 40%  
Examination - 60%

**Textbooks and References:**

Listed separately for convenience and reference.

## 9.2 SPECIFIC DEGREE SYLLABUS

### M Sc (Hons) IN FINANCIAL MANAGEMENT

#### 1BFM001 - Bank Financial Management

##### Unit 1: The Banking Sector

This unit introduces the financial services industry and outlines the main factors shaping and driving operating strategies of banks and other financial institutions. It includes an analysis of the types of institutions that form the banking sector and the factors that have brought about changes in the banking environment. Trends in the global markets affecting the whole of the financial services industry are also discussed. The continuing centrality of financial intermediation to the banking firm's activities is highlighted.

##### Unit 2: Concepts of the Banking Firm

Unit 2 introduces the structure and components of a bank's balance sheet as well as its profit and loss account, also known as its income and expense statement. The second part of this unit examines the way in which researchers have tried to model the behaviour and activities of banks and the interrelationships between banks and their environment.

##### Unit 3: Bank Valuation

Here are examined the role and functions of a bank financial manager. These involve maximising the value of the bank and hence shareholder wealth. The unit firstly focuses on how managers can maximise shareholder wealth, and what alternative objectives of their own such managers may have. The unit considers the way in which the value of banking firms can be assessed, and in its second part, outlines the way in which bank performance can be measured and assessed.

##### Unit 4: Liquidity Management

Different sorts of banking risks are introduced in Unit 4 — their sources and how they can be measured and accommodated. This unit then focuses particularly on liquidity risk. The concepts of solvency and liquidity are analysed, and the planning process and financial ratios used for managing liquidity discussed. Finally, the unit takes an extended look at interbank transactions and the potential dangers of payments risk, which can cause liquidity problems for the whole banking system.

##### Unit 5: Interest Rate Risk Management

This unit examines the importance of interest-rate risk and of managing interest-rate risk. Alternative ways of measuring interest-rate risk are discussed as well as the problems associated with these measuring techniques. Strategies for risk management based on alternative analytic models are presented. Finally, we discuss how bank financial managers can reduce a bank's exposure to interest-rate risk through the use of OBS techniques, using derivative securities such as swaps, futures and options.

##### Unit 6: Cost of Funds and the Funding of Operations

The focus of Unit 6 is on banks' sources and cost of funds. Particular attention is paid to the different measures of the cost of funds and the problems associated with such measures. The unit briefly examines the importance of the cost of capital and describes some of the risks associated with raising funds. An exercise is provided at the end of the unit to help students practise calculating the marginal cost of funds for a bank.

##### Unit 7: Credit Risk Analysis and Management

In this unit we examine the importance of credit risk to bank financial managers. The discussion includes the credit assessment, credit contracting and post-lending monitoring processes. These three phases are analysed for both corporate and retail sector lending. As part of the process of granting credit, we examine how loans are priced and the importance of risk premiums to adjust loan prices for credit risk.

## **Unit 8: Capital Management**

The final unit explores the nature and importance of capital to the banking firm. Particular attention is paid to the risk-based capital requirements set out by the Bank for International Settlements, which are also known as the Basle regulations.

### **1MNM001 - Marketing Management**

#### **Part 1: The World of Marketing**

1. An Overview of Marketing
2. Strategic Planning for Competitive Advantage
3. Social Responsibility, Ethics, and the Marketing Environment
4. Developing a Global Vision

#### **Part 2: Analysing Market Opportunities**

5. Consumer Decision Making
6. Business Marketing
7. Segmenting and Targeting Markets
8. Decision Support Systems and Marketing Research

#### **Part 3: Product Decisions**

9. Product Concepts
10. Developing and Managing Products
11. Services and Non-profit Organization Marketing

#### **Part 4: Distribution Decisions**

12. Marketing Channels and Supply Chain Management
13. Retailing

#### **Part 5: Promotion Decisions**

14. Integrated Marketing Communications
15. Advertising and Public Relations
16. Sales Promotion and Personal Selling

#### **Part 6: Pricing Decisions**

17. Pricing Concepts
18. Setting the Right Price

#### **Part 7: Technology Driven Marketing**

19. Internet Marketing
20. Customer Relationship Marketing

### **1FNR001 - Financial Reporting**

#### **Part 1**

1. Introduction to Financial Reporting
2. Introduction to Financial Statements and Other Financial Reporting Topics
3. Balance Sheet Concepts: Assets, Liabilities, and Equities
4. Income Statement Concepts: Income, Revenues, and Expenses
5. Basics of Analysis
6. Liquidity of Short-Term Assets; Related Debt-Paying Ability
7. Long-Term Debt-Paying Ability
8. Profitability
9. The Investor
10. Statement of Cash Flows Summary Analysis: Nike, Inc Operating,
11. Statement of Cash Flows: Investing, and Financing Activities

12. Using the Accounting Framework: America Online, Inc
13. Expanded Analysis

### **Part 2: Valuation Basics and Accounting Measures**

1. Economic Concepts: Behind the Accounting Numbers
2. Financial Statement Analysis: Connecting Economic Concepts to Accounting Reports

### **Part 3: Topics in Financial Reporting**

1. Accounts Receivable
2. Inventories
3. Marketable Securities
4. Long-Lived Assets
5. Long-Term Liabilities
6. Equities
7. Income Taxes
8. Active Investments in Corporations
9. Financial Statement Analysis and the Valuation of Common Stock

## **1MAC001 - Financial Accounts**

### **Section 1: Product Costing and Decision Making**

1. Accounting and Management Decisions
2. Cost Categorization, Cost Flow, and Measurement Decisions
3. Unit Costs for Decision Making
4. Cost Measurement for Management
5. Cost Allocation and Business Strategy

### **Section 2: Control, Measurement and Evaluation**

6. The Role of Budgets in Decision Making
7. Evaluating Performance Within and Organization
8. Controlling Decisions in Decentralized Organizations
9. Management Accounting in a Competitive Business Environment
10. Decisions About Capital Investments

### **Section 3: Expanded Topics**

11. Internal Control
12. A Closer Look at Service Organizations
13. The Japanese Perspective

## **1AUD001 - Auditing**

1. An Introduction to Auditing and Assurance
2. The Role of Auditing and Assurance in a Market Economy
3. An Overview of Financial Statement Audits
4. Client Acceptance and Initial Engagement Planning
5. Understanding the Client's Business: Strategic Analysis
6. Understanding the Client's Business: Management of Strategic Risks
7. Process Analysis and Risk Assessment
8. Evaluating Internal Process Controls
9. Business Measurement and Analytical Evidence
10. Planning the Audit of Financial Statement Assertions
11. Auditing Marketing, Sales and Distribution Management
12. Auditing Supply Chain and Production Management Processes
13. Auditing Resource Management Processes
14. Completing the Audit and Reporting
15. Auditor Decision Making: Judgment, Ethics, and Legal Liability
16. Statistical Evidence for Auditing
17. Assurance Services Beyond the Financial Statement Audit.

## **1IDA001 - Investments and Derivative Auditing**

.What is Risk? – A Discussion for Internal Auditors

What are Derivatives? – A Comparison of Instruments and their Risks for the Internal; Auditing the Mark-to-Market and Risk Management of Derivatives ; Auditing Quantitative Techniques and Model Risk in Derivatives Businesses

Credit Risk and Derivatives – Key Concepts and Approaches for the Internal Auditor ; Operational Risk Management and Measurement in Financial Institutions

Regulatory Considerations of Derivatives and Risk Management – A Trans- Global Review for Internal Auditors

Strategic Sourcing of Audit Functions – An Aid to Decision Making

Corporations and Derivatives: A Case Study of The Boots Company plc

## **1FDI001 - Fraud Detection and Investigations**

**Section I:** Introduction; The Nature of Fraud; Who Commits Fraud and Why ; Fighting Fraud: An Overview

**Section II:** Preventing Fraud; Avoiding the Fraud Problem

**Section III:** Detecting Fraud; Recognizing Symptoms of Fraud; Proactive Approaches to Detection

**Section IV:** Investigating Fraud; Theft and Concealment Investigation Methods; Conversion Investigative Methods; Inquiry Investigation Methods; Management Fraud; Financial Statement Fraud: An Overview; Revenue and Inventory Frauds; Liability, Asset Overstatement, and Inadequate Disclosure Frauds

**Section V:** Other Types of Fraud; Fraud against Organizations; Divorce and Bankruptcy Fraud; E-Business Frauds; Section VII: Resolving Fraud; Legal Follow-Up

## **1PMP001 - Portfolio Analysis and Investment Portfolio Management**

**Part 1:** Introduction

1: Introduction

2: Financial Securities

3: Financial Markets

**Part 2:** Portfolio Analysis

**Section 1: Mean Variance Portfolio Theory**

4: The Characteristics of the Opportunity Set Under Risk

5: Delineating Efficient Portfolios

6: Techniques for Calculating the Efficient Frontier

**Section 2: Simplifying the Portfolio Selection Process**

7: The Correlation Structure of Security Returns: The Single-Index Model

8: The Correlation Structure of Security Returns: Multi-Index Models and Grouping Techniques

9: Simple Techniques for Determining the Efficient Frontier

**Section 3: Selecting the Optimum Portfolio**

10: Utility Analysis

11: Other Portfolio Selection Models

## Section 4: Widening the Selection Universe

12: International Diversification

### Part 3: Models of Equilibrium in the Capital Markets

13: The Standard Capital Asset Pricing Model

14: Non-standard Forms of Capital Asset Pricing Models

15: Empirical Test of Equilibrium Models

16: The Arbitrage Pricing Model APT-A New Approach to Explaining Asset Prices

### Part 4: Security Analysis and Portfolio Theory

17: Efficient Markets

18: The Valuation Process

19: Earnings Estimation

20: Interest Rate Theory and the Pricing of Bonds

21: The Management of Bond Portfolios

22: Option Pricing Theory

23: The Valuation and Uses of Financial Futures

## 1DER001 - Derivatives

1. Introduction
2. Mechanics of Futures Markets
3. Hedging Strategies Using Futures
4. Interest Rates
5. Determination of Forward and Futures Prices
6. Interest Rate Futures
7. Swaps
8. Mechanics of Options Markets
9. Properties of Stock Options
10. Trading Strategies Involving options
11. Binomial Trees
12. Wiener Processes and Ito's Lemma
13. The Black-Scholes-Merton Model
14. Options on Stock Indices, Currencies, and Futures
15. Greek Letters
16. Volatility Smiles
17. Basic Numerical Procedures
18. Value at Risk
19. Estimating Volatilities and Correlations for Risk Management
20. Credit Risk
21. Credit Derivatives
22. Exotic Options
23. Insurance, Weather, and Energy Derivatives
24. More of Models and Numerical Procedures
25. Martingales and Measures
26. Interest Rate Derivatives: The Standard Market Models
27. Convexity, Timing, and Quanto Adjustments
28. Interest Rate Derivatives: Models of the Short Rate
29. Interest Rate Derivatives: HJM and LMM
30. Swaps Revisited
31. Real Options
32. Derivatives Mishaps and What We Can Learn from Them

## 1EMM001 - Emerging Markets

1. The Emerging Markets Phenomenon
2. **Financial** Repression and **Financial** Development
3. Privatization and **Financial** Liberalization
4. Legal Foundations
5. Information and Control

6. Inflation and Currency Stability
7. The Trouble with Banks
8. **Financial** Crises
9. Building **Financial** Institutions

### **1CFN001 - Corporate Finance**

1. Finance and the Financial Manager
2. Present Value, the Objectives of the Firm, and Corporate Governance
3. How to Calculate Present Values
4. The Value of Bonds and Common Stocks
5. Why Net Present Value Leads to Better Investment Decisions Than Other Criteria
6. Making Investment Decisions with the Net Present Value Rule
7. Introduction to Risk, Return, and the Opportunity Cost of Capital
8. Risk and Return
9. Capital Budgeting and Risk
10. A Project is Not a Black Box
11. Strategy and the Capital Investment Decision
12. Agency Problems, Management Compensation, and the Measurement of Performance ;
13. Corporate Financing and the Six Lessons of Market Efficiency
14. An Overview of Corporate Financing
15. How Corporations Issue Securities
16. Payout Policy
17. Does Debt Policy Matter?
18. How Much Should a Firm Borrow?
19. Financing and Valuation
20. Understanding Options
21. Valuing Options
22. Real Options
23. Valuing Government Bonds
24. Credit Risk
25. The Many Different Kinds of Debt
26. Leasing
27. Managing Risk
28. Managing International Risks
29. Financial Analysis and Planning
30. Working Capital Management
31. Short-Term Financial Planning
32. Mergers
33. Corporate Restructuring
34. Governance and Corporate Control Around the World
35. Conclusion; What We Do and Do Not Know About Finance Other Readings
36. Corporate Payout Policy
37. Corporate Leasing Policy
38. Pricing of Debt Claims
39. Corporate Financial Strategy
40. The Market for Corporate Control.

### **1TAX001 - Taxation**

#### **Part 1: The theory of taxation.**

Introduction to the theory of taxation ; Income taxation; The taxation of wealth; Company taxation; Indirect taxation; Tax evasion and avoidance; The UK tax system as a whole; Taxation and international trade; Review questions.

**Part 2:** Income tax; Introduction to income tax; Business income; Capital allowances; Relief for trading losses; Income from employment; National insurance contributions; Provision for retirement; Investment income; The unified tax computation; Overseas, aspects of income tax; Taxation of estate income; Income tax on trust; Practice questions.

**Part 3:** Capital gains tax; Introduction to capital gains tax ; The computation of gains and losses  
Chattels and wasting assets; Compensation and insurance money; Land and property;  
Shares and security; Capital gains tax relief's; Partnership gains; Overseas aspects of CGT;  
Capital gains tax on estates and trusts; Practice questions.

**Part 4:** Corporation tax; The charge to corporation tax; Advance corporation tax and income tax; Loss relief; Close companies; Investment companies; Groups of companies; Overseas aspects of corporation tax; Practice questions.

**Part 5:** Introduction to value added tax; The supply of goods and services; Registration; The VAT system and accounting for VAT; The administration of VAT; Practice questions.

**Part 6:** The administration of direct taxation in the UK; Administration of income tax and capital gains tax Due dates, interest and penalties; The pay as you earn system; The administration of corporation tax; Practice questions.

### **1FMM001 - Financial Mathematics**

Applications of Advanced Regression Analysis for Trading and Investment  
(*Christian L. Dunis and Mark Williams*)

Using Cointegration to Hedge and Trade International Equities (*A. Neil Burgess*)

Modelling the Term Structure of Interest Rates: An Application of Gaussian Affine Models to the German Yield Curve (*Nuno Cassola and Jorge Barros Lu*)

Forecasting and Trading Currency Volatility: An Application of Recurrent Neural Regression and Model Combination (*Christian L. Dunis and Xuehuan Huang*)

Implementing Neural Networks, Classification Trees, and Rule Induction Classification Techniques: An Application to Credit Risk (*George T. Albanis*)

Switching Regime Volatility: An Empirical Evaluation  
(*Bruno B. Roche and Michael Rockinger*)

Quantitative Equity Investment Management with Time-Varying Factor Sensitivities  
(*Yves Bentz*)

Stochastic Volatility Models: A Survey with Applications to Option Pricing and Value at Risk  
(*Monica Billio and Domenico Sartore*)

Portfolio Analysis Using Excel (*Jason Laws*)

Applied Volatility and Correlation Modelling Using Excel (*Frédérick Bourgoïn*)

Optimal Allocation of Trend-Following Rules: An Application Case of Theoretical Results  
(*Pierre Lequeux*)

Portfolio Management and Information from Over-the-Counter Currency Options  
(*Jorge Barros Luís*)

Filling Analysis for Missing Data: An Application to Weather Risk Management  
(*Christian L. Dunis and Vassilios Karalis*)

**1ECC001 - Econometrics**

1. The Nature and Scope of Econometrics

**Part I: Basics of Probability and Statistics**

2. Review of Statistics I: Probability and Probability Distributions
3. Characteristics of Probability Distributions
4. Some Important Probability Distributions
5. Statistical Inference: Estimation and Hypothesis Testing

**Part II: The Linear Regression Model**

6. Basic Ideas of Linear Regression: The Two-Variable Model
7. The Two-Variable Model: Hypothesis Testing
8. Multiple Regression: Estimation and Hypothesis Testing
9. Functional Forms of Regression Models
10. Dummy Variable Regression Models
11. Model Selection: Criteria and Tests

**Part III: Regression Analysis In Practice****1EUD001 - EU Directives and Regulations**

Market Abuse; Money Laundering; Company Law; Investment Services Regulations; Financial Markets Regulations; Insurance regulations; Banking Regulations – CRD; Tax Regulations

## 10. CONTACT INFORMATION

### On the Internet

[www.trinityinternationalcu.com](http://www.trinityinternationalcu.com)

[www.tiuedu.org](http://www.tiuedu.org)

(for Asian Students)

### Email Addresses

General University inquiries: [TrinIntUC@aol.com](mailto:TrinIntUC@aol.com) or [universitydegree@aol.com](mailto:universitydegree@aol.com)

Full Study Program inquiries: [johanp@telkomsa.net](mailto:johanp@telkomsa.net)

### Telephone and Fax Numbers

General University inquiries: +44 7044 402 937 or +44 871 221 0390

USA Fax Number: +1 302-269-3999

### Full Study Courses

Tel: +27 28 5512098

Fax: +27 28 5511305

### Postal Address of the European Office

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United Kingdom

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