



UNIVERSITY  
of  
TECHNOLOGY,  
MAURITIUS

**School of Business, Management and Finance**

# BSc (Hons) in Banking and International Finance

PROGRAMME DOCUMENT

VERSION 4.0

BBIF

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**University of Technology, Mauritius**

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## **BSc(Hons) in Banking and International Finance**

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### **A. Programme Information**

The Banking and Financial Services sector has over the past decade emerged as one of the most important pillars of the Mauritian economy. This industry has quickly matured, with international banking institutions, insurance companies, investment companies, venture capital companies, fund management institutions, money changers, leasing companies, and management companies coming to establish business in Mauritius. However, the Skills Interface Platform for the financial services sector organised by the Human Development Research Council (HRDC) in 2014 has highlighted the need to improve the workforce competencies for sustainability of the industry. In fact surveys undertaken by the HRDC have highlighted the existence of skills shortages and mismatch emphasising on the need for Academia to better evaluate the needs of the industry. In line with the above recommendations, the University is reviewing the BSc (Hons) Banking and International Finance programme in view of bridging the gap between demand for and supply of professionals within the banking and financial services sector. One of the pioneering components of the reviewed programme is the introduction of a compulsory 1 semester placement for all full time students in level 2 allowing them to put their theoretical knowhow to practice as well as acquainting themselves with the professional environment. Along the same line, students will have to be empowered through continuous skill development which will impart complementary skills they will have to acquire as a finance graduate. The role of the university is also to prepare students to become responsible citizens. In that respect students will also have to engage in Community Learning and Engagement. In the first and second levels., students will study core modules in Banking operations , Finance, Economics, Management, Statistical Methods, and Accounting. After their placement which will provide unique insights from an industry perspective, they will be exposed to more technical modules including Treasury management , global business administration , econometrics and taxation. Students will also have to submit a dissertation at the end of level 3.

### **B. Programme Aims**

The programme aims at producing high quality graduates with the analytical and practical skills necessary to understand and deal creatively with a wide range of concepts and issues in the banking and financial services sector, namely, banking operations, risk management and global business. It equips students with the academic knowledge to operate in the increasingly competitive world of banking and financial markets. It is mostly aimed at those in, or aspiring to, middle and senior management positions and also for school leavers who wish to undertake a career in this sector.

### **C. Programme Objectives**

The programme objectives are to:

- Allow students to follow a blend of specialist and generalist aspects of the banking, international business and finance field.
- Inculcate the foundation and more advanced theories and also bring in the latest of the financial innovation, strategies and concepts in the banking and finance sector
- Enable the understanding of the banking and finance processes, the adaptation and implementation of these processes in the local and international environment
- prepare students to occupy the key positions in the banking and financial services sector and/or undertake research in the field

## **PART I - Regulations**

### **D. General Entry Requirements**

As per UTM'S Admissions Regulations, and 'Admission to Programmes of Study at Degree Level' or APL / APEL requirements.

Note: Exemptions apply as per regulation.

### **E. Programme Entry Requirements**

In addition to meeting the general entry requirements as per section D above, applicants are informed that credits at School Certificate or General Certificate Of Education 'O' level or equivalent in Mathematics or Principles of Accounts is desirable.

### **F. Programme Mode and Duration**

Full -Time:	Minimum Duration : 3 Years (6 semesters)
	Maximum Duration: 6 Years(12 semesters)
Part-Time:	Minimum Duration : 4 Years (8 semesters)
	Maximum Duration: 7 Years(14 semesters)

### **G. Teaching and Learning Strategies**

One Module will carry 150 hours of learning comprising of 45 hours of delivery which could be any combination of face to face, blended, online, seminar, workshop, or joint session. The remaining 105 hours will cover self learning, self study, guest lecture , etc. The delivery of lectures will be on a blended learning mode, using appropriate online tools. The programme will employ a wide variety of teaching methods, including lectures, individual or group projects, presentations, workshops, case studies, field visits, work placement and talks by guest speakers. Self-learning will be the key feature of the programme, enabling students to explore, investigate and research into the various topics, interact with practitioners, and work in teams on projects.

### **H. Student Support and Guidance**

Throughout the programme of study students are supported and provided guidance for dissertation, portfolio, CLEn initiatives and use of online tools for blended learning. These supports are ensured by the School relevant committees, such as the Work Placement Unit. Tutorial based academic supports are provided to students on a need basis and the University has a Counselling cell for well-being of students.

### **I. Attendance Requirements**

As per UTM's Regulations and Policy

## J. Credit System

1 module of 6 credits will carry 150 hours of learning. **Credits required for the award of a:**

- Certificate: 60 (Certificate in Banking and International Finance)
- Diploma: 120 (Diploma in Banking and International Finance)
- Degree: 180 (BSc. (Hons.) in Banking and International Finance)
- Ordinary Degree may be awarded as per regulations

Awards on the basis of accumulated credits may exceptionally be considered on a case to case basis.

## K. Student Progress and Assessment

For the award of the Degree all modules must be passed overall with passes in coursework and examination combined.

All modules will carry 100 marks and will be assessed as follows (unless otherwise specified):

Invigilated examinations will be up to 3-hours' duration contributing to 70% of the total marks and continuous assessment will carry 30% of total marks. The University may also apply alternative mode of assessment. Continuous assessment can be based on assignments and/or class tests.

### Note :

Module 'Research Methods' will be assessed over **100% continuous assessment**.

Module 'Business Communication' will be assessed over 50% coursework and 50% written examination.

Module 'Digital Skills' will be assessed through 100% continuous assessment.

## Grading

Undergraduate / Postgraduate		
Overall Marks	Grade	Remarks
$70 \leq X \leq 100$	A	Excellent
$60 \leq X < 70$	B	Very Good
$50 \leq X < 60$	C	Good
$40 \leq X < 50$	D	Satisfactory
$X < 40$	F	Referred

## L. Evaluation of Performance

The percentage mark at Level 1 contributes a 20% weighting towards the degree classification.

The percentage mark at Level 2 contributes a 30% weighting towards the degree classification.

The percentage mark at Level 3 contributes a 50% weighting towards the degree classification.

## M. Award Classification

$y \geq 70$	1st Class Honours
$60 \leq y < 70$	2 <sup>nd</sup> Class 1st Division Honours
$50 \leq y < 60$	2 <sup>nd</sup> Class 2 <sup>nd</sup> Division Honours
$45 \leq y < 50$	3rd Class Honour
$40 \leq y < 45$	Pass Degree
$y < 40$	No Award

## N. Programme Organisation and Management

Programme Review Team: Dr Yuvraj Sunecher and Mrs Aleesha Boolaky

Contact Details: [ysunecher@umail.utm.ac.mu](mailto:ysunecher@umail.utm.ac.mu) and [aboolaky@umail.utm.ac.mu](mailto:aboolaky@umail.utm.ac.mu)

## Part II - Programme Structure

### O. BSc (Hons) Banking and International Finance – Full Time

<b>Semester 1</b>		<b>YEAR 1</b>		<b>Semester 2</b>	
<b>Code</b>	<b>Module Name</b>	<b>Credits</b>	<b>Code</b>	<b>Module Name</b>	<b>Credits</b>
ECON 1101	Economics	6	QUAN 1102	Statistics	6
ACCF 1103	Costing Techniques	6	LLAW 1101	Introduction to Law & Legal Methods	6
ACCF 1102	Financial Accounting	6	ACCF 1201	Principles of Finance	6
ACCF 1301	Monetary & Financial Systems	6	ACCF1303(A)	Banking Operations I	6
MMIS 1202	Digital Skills	4	MGMT 1103A	Business Communication	6
			CLEn 1000	CLEn	2
<b>Certificate Level exit point</b>					
<b>Semester 1</b>		<b>YEAR 2</b>		<b>Semester 2</b>	
<b>Code</b>	<b>Module Name</b>	<b>Credits</b>	<b>Code</b>	<b>Module Name</b>	<b>Credits</b>
MGMT 2117	Organisation and People Management	6	PLMT 2001	Work Placement	6
ACCF 2118	Management Accounting for Decision Making	6	ACCF 2316	Fintech Innovations and Applications	6
ACCF 2303(B)	Banking Operations II	6	MMIS 2209	Financial Information systems	6
ACCF 2310	International Financial Management	6	QUAN 2200	Business Research Methods	6
ECON 2201	Monetary Economics	6			
ACCF 2318	Corporate Governance and Ethics	6			
<b>Diploma Level exit point</b>					
<b>Semester 1</b>		<b>YEAR 3</b>		<b>Semester 2</b>	
<b>Code</b>	<b>Module Name</b>	<b>Credits</b>	<b>Code</b>	<b>Module Name</b>	<b>Credits</b>
ACCF 3209	Treasury Management and Corporate Finance	6	ACCF 3217	Investment Analysis and Management	6
ACCF 3121	Accounting and Auditing Practice	6	ACCF 3108	Business and International Taxation	6
ECON3505	Econometrics	6	ACCF 3318	Global Business and Financial Services Law	6
QUAN 3412	Research Methods for Finance	6	ACCF 3320	Applied Financial Modelling	6
DISS 3000	Dissertation/Project**				12

\*\*Dissertation/Project starts Semester 1 of year 3 and credits will be earned at the end of Semester 2 of year 3.

**P. BSc (Hons) Banking and International Finance – Part Time**

Semester 1			YEAR 1			Semester 2			
Code	Module Name	Credits	Code	Module Name	Credits	Code	Module Name	Credits	
ECON 1101	Economics	6	ACCF 1103	Costing Techniques	6				
ACCF 1301	Monetary & Financial Systems	6	QUAN 1102	Statistics	6				
ACCF 1102	Financial Accounting	6	LLAW 1101	Introduction to Law & Legal Methods	6				
MMIS 1202	Digital Skills	4							
Semester 1			YEAR 2			Semester 2			
Code	Module Name	Credits	Code	Module Name	Credits	Code	Module Name	Credits	
ACCF1303(A)	Banking Operations I	6	MGMT 2117	Organisation and People Management	6				
ACCF 1201	Principles of Finance	6	ACCF 2118	Management Accounting for Decision Making	6				
MGMT 1103A	Business Communication	6	ACCF2303(B)	Banking Operations II	6				
CLEn 1000	CLEn	2							
<b>Certificate Level exit point</b>									
Semester 1			YEAR 3			Semester 2			
Code	Module Name	Credits	Code	Module Name	Credits	Code	Module Name	Credits	
ECON 2201	Monetary Economics	6	MMIS 2209	Financial Information systems	6				
ACCF 2310	International Financial Management	6	ACCF 2316	Fintech Innovations and Applications	6				
ACCF 2318	Corporate Governance and Ethics	6	PORT 2003	Portfolio	6				
			QUAN 2200	Business Research Methods	6				
<b>Diploma Level exit point</b>									
Semester 1			YEAR 4			Semester 2			
Code	Module Name	Credits	Code	Module Name	Credits	Code	Module Name	Credits	
ACCF3209	Treasury Management and Corporate finance	6	ACCF 3217	Investment Analysis and Management	6				
ACCF 3121	Accounting and Auditing Practice	6	ACCF 3108	Business and International Taxation	6				
ECON3505	Econometrics	6	ACCF 3318	Global Business and Financial Services Law	6				
QUAN 3412	Research Methods for Finance	6	ACCF 3320	Applied Financial Modelling	6				
DISS 3000	Dissertation/Project**								12

\*\*Dissertation/Project starts Semester 1 of Year 4 and credits are awarded at the end of Semester 2 of Year 4.

## **Q. MODULE OUTLINE**

### **ECON 1101: ECONOMICS**

Microeconomics: consumer choice theory, theory of cost and supply, price mechanism, government intervention and the price system, market structure, competition policy. Macroeconomics: national income and economic growth, inflation and unemployment, monetary policy, fiscal policy, international trade. Seminar presentation on contemporary Mauritius from a microeconomic or macroeconomic perspective, Emerging issues in Economics.

### **ACCF 1103: COSTING TECHNIQUES**

Role of Cost Accounting and its Link to Financial Accounting, Costing Concepts: Costs Classification and Behaviour, Accounting for Overheads, Introduction to Activity Based Costing, Costing Methods and Principles, Contract Costing, Relevant Costing and Contribution Analysis, Budgeting, Standard Costing Variance Analysis, Emerging Issues in Costing Techniques.

### **ACCF 1102: FINANCIAL ACCOUNTING**

Roles and Principles of Financial Accounting, Double Entry Book Keeping, Capital and Revenue Expenditure, Trial Balance, Preparation of Final Accounts for Sole Traders, Non-Profit Organisations and Companies, Cash Flow Statements, Control Accounts and Accounting for VAT, Accounting for Depreciation, Bad Debts and Provisions for Bad Debts, Fundamental Accounting Concepts and International Accounting Standards, Accounting Ratios and Interpretation, Financial Reporting and Users of Accounts, Emerging Issues in Financial Accounting. Emerging Issues

### **ACCF 1301: Monetary and Financial Systems**

The Financial system, The Financial Market; Money and Capital market, Financial, Intermediaries, Non-banking financial institutions, The Regulatory Body, Financial structure and economic performance, The Monetary system and interest rate, International Monetary System, Monetary policy and the Central Bank, Financial system risks and Regulation, Regulatory bodies in Mauritius for the banking and non banking financial services sector, Comparative Financial Systems: The structure and functions of financial systems in the USA, Germany, Japan, Islamic countries, Emerging Issues in Monetary and Financial Systems. Emerging Issues.

### **MMIS 1202: DIGITAL SKILLS**

Computers Usage in Education theoretical parts of essentials of IS and adoption of ICT in education, basic system maintenance operations for hardware and software, understand basic concepts/ terminology and applications of windows operating system, understanding the basic IT security measures such as security using password in documents, protecting workstation, backup and understand the ethical use of computer Office Applications - Word Documentation: Demonstrate skills of creating, editing, saving documents in word processing, formatting, print, Use of Spreadsheet, use of MS Access to design a database, Use MS Powerpoint Internet Applications - Communication Tools (Google Meet, Zoom), Initiation to LMS: Login, Google Classroom, uploading of assignments; Online collaboration of using Google Docs; Web browser to navigate hypertext documents, download files; Search engines  
This unit is a project workout based on understanding and implementation of units 1 to 3 required to submit in the form of a project related to the real world.

### **QUAN 1102: Statistics**

Descriptive Statistics; Probability Concepts; Random Variables; Probability Distributions: Binomial, Poisson and Normal; Estimation with Confidence Intervals; Hypothesis Testing; Chi-Square Tests; Analysis of Variance; Simple Regression and Correlation Analysis; Time Series Analysis.

### **LLAW 1101: Introduction to Law and Legal Methods**

Introduction to Law; Ideas and functions of Law; Nature of constitutional and administrative law; Constitutional foundations of the powers of the court, Statutory interpretation, arbitration and the hearing tribunal, The law of contract, the law of agency; Distinction between Public and Private Law; Criminal and Civil Law; Common Law and Civil Law Systems; Case Law Techniques; Statutory Interpretation, Emerging Issues in introduction to law and legal methods. Emerging Issues.

### **ACCF 1201: PRINCIPLES OF FINANCE**

Present Value Calculation, Time Value of Money, Annuities; IRR, Source of Finance: Short and Long term financing. Valuation of bonds and other securities, Definition of Financial risk, Risk and Return Analysis, Diversification Principles, Capital Asset Pricing Model, Stock Market, Forms of market efficiency and Emerging Issues in finance. Emerging Issues.

### **ACCF1303(A): Banking operations I**

Evolution of banking(including history) -Domestic and International, Banking structures; Comparison of different banking structures and trends. Theories of the Banking firm- Direct Financing v/s Intermediated finance- Financial Intermediation, An overview of the different departments of a bank and how they operate ( Operations, IT, Credit, Sales and Relationship Management, Control and compliance, wholesale and corporate banking, Retail banking, private banking and wealth management, Personal banking and finance, Asset and Liability Management, International banking- Types of International Banking Offices, creation of Eurocurrency, Eurocurrency markets and Eurocurrency markets, International Loan Syndication (including documentation) Basel I II And II, Introduction to the Basel Committee on Banking Supervision and various capital accords. Banking regulation- both domestic and International. International Banking including Treasury and Trade Finance, Bank runs and crises- Case studies and policies. Crisis management. Macro and micro prudential regulation, Emerging Issues in banking operations.

### **MGMT 1103A: BUSINESS COMMUNICATION**

Introduction to Communication, Defining Communication, Communication Models, Barriers to effective communication, Understanding Stereotypes, Perception & Cultural differences, Interpersonal, Intrapersonal, Verbal & Non-Verbal, Organisational Communication- Structure, networks, culture, grapevine, Understanding your audience- Report Writing/Written Communication- Business Letters, News Sheets, Memos & Formal Reports, Presentation skills- Delivery, Speech, Pronunciation, Pauses, Tone, Address, Skills and techniques, Demonstration skills and the use of visual aids, Effective meeting skills - Procedures, roles, responsibilities, documents • Group Dynamics, Group Formation • Relationship Management, Communication & Technology- Developments, influences, Intranet/Extranet, Social Media & Networking, Corporate Communications, Corporate Identity, Corporate Image & Public Relation

### **CLEn 1000: Community Learning & Engagement (CLEn)**

Students should seek involvement with NGOs. Student participation involves for example , contribution in publication of reports, newsletters, active collaboration on an unexhaustive choice of community development or social enterprise projects. Successfully completed placements shall be testified by NGOs at which the engagement occur. Successful completion will lead to the award of one credit. More information available in the CLEn guidelines.

### **MGMT 2117: ORGANISATION AND PEOPLE MANAGEMENT**

Scope of and approaches to the management of people, Human Resource Planning, recruiting , selecting, Induction, rewarding & maintaining staff , Training and Development, performance management, teams, people behaviour in organisations: personality, conflicts, group dynamics, managing diversity, Talent Management. Emerging Issues.

### **ACCF 2118: MANAGEMENT ACCOUNTING FOR DECISION-MAKING**

Role of Accounting information in decision making process; Cost Allocation and Routine decision making using Cost Volume Profit analysis; multi-product situations and margin of safety; Budgeting and Budgetary Control; Standard Costing and Variance analysis; Relevant Cost analysis: Relevant and Irrelevant Costs. Marginal Costing in the management decision process; Limiting Factors and the application of linear programming; External pricing strategies and decisions: cost-based, market-based, special orders. Qualitative factors in decision making. Uncertainty and decision making Cost Management: Life Cycle Costing; Target Costing; Kaizen Costing; Activity Based Management; Cost Management and the Value Chain; Benchmarking. Emerging Issues.

### **ACCF2303(B): BANKING OPERATIONS II**

Disintermediation and Special purpose vehicles, MBS (Mortgage Backed securities, CDOs ( Collateralised Debt Obligations) and ABS ( Asset Backed Securities); Securitisation theories including fixed cost hypothesis and lemon discount hypothesis, cost of funding hypothesis. Risks in banking- Credit, liquidity, interest rate, solvency, market risk, operational risk and management. Risk Management models in Banking. Credit Risk Models( including corporate credit assessment model, 7 Cs, CAMPARI, RIOTARS, STREETCRED); Credit Scoring and Credit Rating Agencies Documentation Issues and Management of Special Assets in Banks; Corporate Debt Restructuring; Analysing performance of Banks- Micro and macro approach including CAMEL rating; Electronic Banking (e-banking: Products, security E payments); Islamic Banking- An introduction- Products, Operations, Ijarah and Regulatory Issues ( Shariah board); Compliance issues, Case studies. Emerging Issues.



### **ACCF 2310: INTERNATIONAL FINANCIAL MANAGEMENT**

The Tasks of the International Financial Manager--What Are the Global Financial Markets?-- The FOREX market, Determination of Exchange Rates; Foreign exchange activities; Speculation, Arbitrage and Hedging, Foreign Exchange and Eurocurrency--Dealing and Quotations--The Mechanics of the Eurodollar Market-- Speculation, Arbitrage and Hedging; Competing Eurocurrency Markets: Interest-Rate Arbitrage and Currency Expectations-- Forward-Exchange Rates, Relative Interest Rates, and Exchange-Rate Expectations- swap deals and Rational for swaps; Foreign Exchange Risk Management; Liquidity risk management; Interest rate risk management, Commodity price risk management, International Procurement Contracts and their accounting entries and calculations from the perspective of exporters and importers; Forecast of Foreign exchange rate : Purchasing Power Parity, Relative Economic strength and econometric models of forecasting exchange rates. Emerging Issues.

### **ECON 2201: MONETARY ECONOMICS**

The role and definitions of money. Theories and evidence of the demand for money. Fundamentals of interest rates. The role of imperfect information in financial markets, Credit rationing; The control of the money supply. The transmission mechanism of Monetary policy. Money and Inflation. The Philips curve, monetarism, rational expectations and policy ineffectiveness; The neutrality of money "New" Classical analysis; The strategic and political aspects of monetary policy, including "rules versus discretion" and "credibility". Money in the open economy, Emerging Issues in Monetary Economics. Emerging Issues.

### **ACCF 2318: CORPORATE GOVERNANCE AND ETHICS**

Introduction, Managing Business Partners, Society & business: Corporate Governance, Governance Principles; role of Board of Directors and Company Secretary; rules towards fair disclosure to market participants and regulators, the role of internal audit, filings requirements to regulators, directors' duties; fit and proper requirements of senior officers, Ethical Decision making, Code of ethics; Ethical Dilemma Governance Implications; anti-competitive behaviours; treating customers fairly; Assessing social Performance, ; Globalisation and Ethical standards; Corporate Scandals and Best practices; banking confidentiality and data privacy, Integrity in Procurement and Supply: Bribery, collusion and conflict of interest, Responsibility and Accountability, Code of Ethics in Procurement, Legal requirement: Public Procurement Act in relation to Integrity and Code of Ethics, Emerging Issues.

### **PLMT 2001: WORK PLACEMENT**

Work placement is monitored by a placement unit and is detailed in the University Workplacement Guidelines.

### **PORT 2003: PORTFOLIO**

Part time students who are in employment will have to submit a portfolio. The portfolio will have to follow the University Work Placement Guidelines. Part time students, who are unemployed, will have to request for a work placement. They will then submit the portfolio as per University Work placement Guidelines. Assessment in both cases will be as per guidelines for assessment of work placement/portfolio.

### **ACCF 2316: FINTECH INNOVATIONS AND APPLICATIONS**

Drivers of Fintech, Disruptive transformations with Fintech, Applications; Cryptocurrencies: Bitcoins and other crypto assets, cryptocurrency ecosystem Ethereum and smart contracts; Fintech For alternative Lending Payment: Implications for the Banking Industry, P2P lending, crowdfunding, Use cases; Fintech Innovations and Blockchain; Machine Learning and AI strategies for Fintech : Big data ; Fintech Regulation : Compliance and regulation in Finance , Regulatory Licencing Schemes, Regtech.

### **MMIS 2209: FINANCIAL INFORMATION SYSTEMS**

Essentials of IS for Organisations (Types of IS, Applied Banking Database); Know Your Customer concepts, Data protection, Money laundering; E-commerce; e-Banking systems; e-Payment; BPR, Investing and Development of FIS, ERP Systems; IS for Offshore services & Outsourcing; e-Insurance services; Asset & Funds management IS; e-trading systems : Application and practicals in simulation laboratory; IT Security Aspects; Training IT services in financial firm; Trends and Case Studies. Emerging Issues.

### **QUAN 2200: BUSINESS RESEARCH METHODS**

Introduction to Research, the research process, literature search and literature review, research design, Broad approaches of Qualitative and Quantitative research; Types and Sources of Data; Sampling Methodology ; Survey Instrument ; Types of data; data collection techniques; Research Ethics Academic writing skills. Objectivity and Bias in Research and how to identifying a suitable research project; Formulating a research proposal, Introduction to Exploratory Data Analysis; Hypothesis Testing; Non-Parametric Hypothesis Testing; Correlation and Regression analysis.

### **ACCF 3217 : INVESTMENT ANALYSIS AND MANAGEMENT**

An Overview of the investment environment; the Capital Market; the Growth of the capital market products and services in Mauritius, Present value and opportunity cost of capital in investment Decisions; Marginal; Project; Divisional and Floatation cost; Capital rationing, Portfolio Theory ; Risk aversion and utility, Markowitz Model, CAPM and APT, Valuation Models approaches and application; Asset based valuation; Discounted cash flow valuation, Dividend Discount Model, Portfolio Management ; An overview to Portfolio Management, Market efficiency, Security Analysis and evaluation of Investment Performance; Options in Portfolio Management, Fundamental Analysis, Financial Investment and security issues, Capital Budgeting Decisions; Sensitivity Analysis; Scenario analysis; Simulation Analysis; Emerging Issues

### **ACCF 3121: ACCOUNTING AUDITING AND PRACTICE**

Financial reporting framework, Preparation of Published company accounts and understanding annual report; Tangible non-current assets; Receivables & Payables; Consolidated Group accounts (incl. relevant accounting standards); Cash flow statements; Financial statements analysis and interpretation, emphasis on investment ratios; Audit framework, Audit planning & Risk Assessment; internal control; Audit Evidence & procedures; Audit Reports.

### **ECON 3505: ECONOMETRICS**

Multiple Regression Analysis; Multicollinearity; Autoregression and Heteroscedasticity; introduction to Time Series- Stationarity, Causality and Co-integration; Cross-Sectional Econometrics; Dummy Variables, Multicollinearity; Autoregression and Heteroscedasticity; ARIMA, GARCH Modeling and VAR.

### **QUAN 3412: RESEARCH METHODS FOR FINANCE**

Data analysis for primary and secondary data using appropriate software; parametric tests; Ordinary Least Squares (OLS) assumptions, estimation and inference; Practical session: for regression analysis, estimation techniques involving non-linear terms, dummy variables and interactions; heteroskedasticity and autocorrelation. Initiation to time series cross-sectional and panel data analysis; Practical session: Qualitative and Survey data analysis. Carrying out an empirical project: posing a question, literature review, data collection and econometric analysis; Practical Session: Obtaining financial data; Practical Session: Issues with regards to data (coding, outliers, missing data, etc. Interpretation results and Report writing

### **ACCF 3209: TREASURY MANAGEMENT AND CORPORATE FINANCE**

Management Objectives in corporate finance; Working Capital Management; Risk Return and Hurdle Rates; Capital Budgeting Under Constraints and Choice of Projects of Unequal Life, Risk Analysis in Capital Budgeting: Sensitivity Analysis and Hillier Model; Capital Structure- The Choices, The Optimal Mix, EBIT-EPS Analysis, Cost of Capital and Weighted Average Cost of Capital, Value of the Firm, Leverage Analysis; Security Analysis: Equity Valuation, Financial Distress and Bankruptcy; Mergers and Acquisitions; Dividend policy; Treasury Management Fundamentals and its Functions; Treasury Management Processes; Procurement Principles, **Emerging Issues.**

### **ACCF 3108: BUSINESS AND INTERNATIONAL TAXATION**

Principles and practice; the Schedular system; the overall function and purpose of taxation in a modern economy; the Mauritius tax system and its administration ; income tax matters affecting business, Capital allowances, treatment of loss; Corporate tax system, Computation, Assessments, objections and appeals, Corporate tax losses, Capital Gains Tax, Value Added Tax, Taxation of International Businesses, Tax planning in international Business, Fiscal authorities and international taxation, Tax History, issues of jurisdiction, administrative and compliance costs, direct and indirect, taxation, capital taxes and the impact of technology on international taxation, Tax treaty system, Double taxation Relief, Tax Avoidance, Tax Evasion and Tax Planning. Anti-Avoidance legislation, The OECD model Tax convention compared with the UN model; International Tax Planning. Emerging issues.

### **ACCF 3318: GLOBAL BUSINESS AND FINANCIAL SERVICES LAW**

Introduction to Global Business, Global Business Administration, Global Business Incorporation – GBC1, GBC2 and Authorised Company, Trust Administration, Banking Services in Global Business, Investment Services in Global Business, Captive Insurance Services in Global Business, Ship Registration in Global Business, Limited Partnership in Global Business, Pension Fund in Global Business, Double Taxation Avoidance Treaties (DTAT), Foreign Tax Compliance Act (FATCA), FATF, Banking Act, Financial Services Act, Stock Exchange Act, Model code for Directors, Financial Intelligence and Anti-Money Laundering, Emerging Issues in global business. Emerging Issues.

**ACCF 3320: APPLIED FINANCIAL MODELLING**

Univariate Time Series Modelling and Forecasting, multivariate Time Series Models, Modelling Volatility, Risk & Correlation, Interest Rate Model, Black Scholes Option Pricing Model, Portfolio Models, Performance Measurement & Attribution, Simulation Methods (software R) & Model fit and Application of Financial Models on real life data using appropriate softwares and platforms.

**DISS 3000: Dissertation/Project**

- A 7,000-10,000 words dissertation will have to be submitted at the end of the semester.
- For problem based project the word limit is 4,000 – 5,000 words.
- The work submitted should conform to the Undergraduate Dissertation Guidelines.