

## BSc (Hons) Economics with Management – SHLM308

### 1. Objectives

The programme is designed to provide knowledge and competence in Economics altogether with some essential components of Management for a number of professions in the public and private sectors. The course allows for transferable skills from essentially an Economics background to that of Management both in terms of employment prospects and postgraduate studies.

### 2. General Entry Requirements

In accordance with the University General Entry Requirements for admission to undergraduate degree Programmes.

### 3. Programme Requirements

Credit in Mathematics and English at 'O' Level and 'A' Level Mathematics or 'O' Level Additional Mathematics or HSC Subsidiary/Advanced Subsidiary Mathematics

### 4. Programme Duration

	<b>Normal</b>	<b>Maximum</b>
Degree:	3 years	5 years

### 5. Minimum Credits Required for Degree Award – 103

Breakdown as follows:

	<b>Credits from</b>			
	<b>Core Taught Modules</b>	<b>Dissertation</b>	<b>Electives</b>	<b>GEMs</b>
Degree	75	10	12	6

<b>Modules</b>	<b>Credits</b>
<b>Core</b>	
Economics	36
Finance and Accounting	6
Management	24
Statistics	6
Computer Science and Engineering	3
Dissertation in Economics (major)	10
<b>Electives</b>	12
<b>GEMs</b>	6
<b>Total</b>	<b>103</b>

### 6. Credits per Year

Minimum 18 credits, Maximum 48 credits, subject to regulation 4.

## **7. Assessment**

Each module will be assessed over 100 marks (unless otherwise specified).

Assessment will be based on a written examination of 2 to 3-hour duration (normally a paper of 2 hour duration for modules carrying less or equal to three credits, 2½ hour paper for modules carrying 3.5-4.5 credits and 3 hour paper for modules carrying five-six credits) and on continuous assessment done during the semester or year.

Written examinations for all modules, whether taught in semester 1 or in semester 2 or both, will be carried out at the end of the academic year except for semester modules and GEMs (unless otherwise stated).

The continuous assessment will count for 20-30% of the overall percentage mark of the module(s), except for a Programme where the structure makes for other specific provision(s).

Continuous assessment may be based on laboratory work, seminars and/or assignments and should include at least two (2) assignments/tests per module. There will be a compulsory class test for all modules taught in semester 1 at the end of semester 1 of the given academic year unless stated otherwise in the Programme Structure.

A minimum of at least 30% should be attained in each of continuous assessment and written examination, with an overall total of 40% for a candidate to pass a module.

Special examinations (e.g. class tests) will be arranged at the end of semester 1 or semester 2 for exchange students who have registered only for one semester. In case of yearly modules, credits will be assigned on a pro-rata basis.

## **8. Submission Deadline for Dissertation**

**Final copy:** To be submitted on the last working day of March of the academic year.

**9. List of Modules - BSc (Hons) Economics with Management**

<b>Code</b>	<b>Module Name</b>	<b>Hrs/Wk</b>	<b>Credits</b>
<b><u>CORE</u></b>			
CSE 1010e(1)	Introduction to Information Technology	O.E.	3
ECON 1005Y(1)	Introduction to Economic Analysis	3+0	6
ECON 1002Y(1)	Mathematics for Economists	3+0	6
DFA 1000Y(1)	Principles of Financial Accounting	3+0	6
MGT 1026Y(1)	Principles and Practice of Management	3+0	6
STAT 1001Y(1)	Statistics for Economists	3+0	6
ECON 2001Y(3)	Microeconomic Theory	3+0	6
ECON 2002Y(3)	Macroeconomic Theory	3+0	6
ECON 2003Y(3)	Principles of Econometrics	3+0	6
MGT 2060Y(3)	Marketing Management	3+0	6
MGT 2061Y(3)	Human Resource Management	3+0	6
ECON 3112(5)	Mauritian Economy	3+0	3
ECON 3293(5)	Managerial Economics	3+0	3
MGT 3059Y(5)	International Business & Management	3+0	6
ECON 3000(5)	Dissertation	-	10
<b><u>ELECTIVES</u></b>			
ECON 2004Y(3)	Money, Banking and Finance	3+0	6
ECON 2005Y(3)	Economics of Industry and Labour	3+0	6
ECON 2006Y(3)	Economics of Transport and Tourism	3+0	6
CSE 2009Y(3)	Web Technologies with Multimedia	2+2	6
ECON 3279(5)	Financial Markets and Institutions	3+0	3
ECON 3131(5)	International Trade	3+0	3
ECON 3251(5)	Project Appraisal	3+0	3
LAWS 2107(5)	Law Relating to Financial Services	3+0	3
MGT 4216(5)	Marketing of Financial Services and Products	3+0	3
ECON 3263(5)	Environmental & Resource Economics	3+0	3

Offering of electives would be subject to availability of resources and critical mass. The Department reserves the right to offer additional electives.

**10. Programme Plan - BSc (Hons) Economics with Management**

**YEAR 1**

<b>Code CORE</b>	<b>Module Name</b>	<b>Hrs/Wk L+P</b>	<b>Credits</b>
CSE 1010e(1)	Introduction to Information Technology <sup>1</sup>	O.E.	3
ECON 1005Y(1)	Introduction to Economic Analysis	3+0	6
ECON 1002Y(1)	Mathematics for Economists	3+0	6
DFA 1000Y(1)	Principles of Financial Accounting	3+0	6
MGT 1026Y(1)	Principles and Practice of Management	3+0	6
STAT 1001Y(1)	Statistics for Economists	3+0	6
<b>GEM</b>			<b>3</b>

**YEAR 2**

<b>Code CORE</b>	<b>Module Name</b>	<b>Hrs/Wk L+P</b>	<b>Credits</b>
ECON 2001Y(3)	Microeconomic Theory	3+0	6
ECON 2002Y(3)	Macroeconomic Theory	3+0	6
ECON 2003Y(3)	Principles of Econometrics	3+0	6
MGT 2060Y(3)	Marketing Management	3+0	6
MGT 2061Y(3)	Human Resource Management	3+0	6
<b>ELECTIVES</b>	<b>CHOOSE ONE</b>		
ECON 2004Y(3)	Money, Banking and Finance	3+0	6
ECON 2005Y(3)	Economics of Industry and Labour	3+0	6
ECON 2006Y(3)	Economics of Transport and Tourism	3+0	6
CSE 2009Y(3)	Web Technologies with Multimedia	2+2	6

**YEAR 3**

<b>Code CORE</b>	<b>Module Name</b>	<b>Hrs/Wk L+P</b>	<b>Credits</b>
ECON 3112(5)	Mauritian Economy <sup>1</sup>	3+0	3
ECON 3293(5)	Managerial Economics <sup>1</sup>	3+0	3
MGT 3059Y(5)	International Business & Management	3+0	6
ECON 3000(5)	Dissertation	-	10
<b>ELECTIVES</b>	<b>CHOOSE TWO</b>		
ECON 3279(5)	Financial Markets and Institutions <sup>2</sup>	3+0	3
ECON 3131(5)	International Trade <sup>1</sup>	3+0	3
ECON 3251(5)	Project Appraisal <sup>1</sup>	3+0	3
LAWS 2107(5)	Law Relating to Financial Services <sup>1</sup>	3+0	3
MGT 4216(5)	Marketing of Financial Services and Products <sup>1</sup>	3+0	3
ECON 3263(5)	Environmental & Resource Economics	3+0	3

**Total Credits = 103 (Inclusive of GEMs)**

**Notes:** (i) <sup>1</sup> - Teaching in Semester 1,  
(ii) <sup>2</sup> - Teaching in Semester 2

## **11. Outline Syllabus**

### **CSE 1010e(1) - INTRODUCTION TO INFORMATION TECHNOLOGY**

IT and Computers; Stepping in the Computer; Input and Output Devices; Secondary Storage; Programming; Systems Software; Applications Software; Systems Development; Computer Networks; The Internet; Computer Security; Software Utilities; Issues and Trends in IT.

### **CSE 2009Y(3) - WEB TECHNOLOGIES WITH MULTIMEDIA**

Overview of Internet, Internet Protocols and Network Components; HTML; XML; Scripting Languages; Client-side scripting; Server-side Scripting, Hypermedia; Data Processing on a Web server (ASP, Asp. NET, PHP, Cold Fusion); Concepts of Web-based Applications; Integrating applets; Principles of E-Commerce; Administration of web servers; Web site related issues; Web site design issues, Multimedia fundamentals.

### **DFA 1000Y(1) - PRINCIPLES OF FINANCIAL ACCOUNTING**

The Role of Accounting Information; Recording and Summarising Transactions; Accounting Concepts & Preparing Final Accounts; Adjustments to Final Accounts; Capital v/s Revenue Expenditure; Bank Reconciliation Statement; Depreciation; Correction of Errors; Control Accounts; Value Added Tax; Stock Valuation Methods; Partnerships; Goodwill and Changes in Partnerships; Incomplete Records; Accounting for Not-for-Profit Organisations; Limited Companies; Business Purchase; International Accounting Standards & Desirable Attributes of Accounting Information; Cash Flow Statement; Interpretation of Financial Statements; Branch accounting;

The Use of Accounting Packages; Nominal Ledger, Purchases and Sales Ledger, Payroll and Stock Control. Setting up of the system, with integration of the various modules. Carrying out end of period routines. Preparation of financial statement.

### **ECON 1005Y(1) – INTRODUCTION TO ECONOMIC ANALYSIS**

Tools of Economic Analysis. Consumer Choice and Applications. Production and Costs: Technology, Cost Functions and Cost Curves. Factor Market Analysis. Competitive Markets, Monopoly and Monopoly Behavior, Oligopoly, Introduction to Game Theory. Market Failures and Externalities.

The Keynesian Model of National Income Determination. Theories of Consumption, Savings and Investment. Money and Banking. Monetary Policy. General Equilibrium and Comparative Statics in the IS-LM Model. Inflation and Unemployment: The AD-AS Model, Expectations and the Phillips Curve. BoP, Exchange Rates and General Equilibrium in the Open Economy.

### **ECON 1002Y(1) - MATHEMATICS FOR ECONOMISTS**

Linearity, Elasticity and Simultaneous Relationships. Limit Theorem, Optimisation Techniques. Lagrange Multipliers. Euler's Theorem. Homogeneous Relationships. Specific Utility and Production Functions. Integration. Dynamic Relationships. Difference and Differential Equations of First and Second Orders. Stability Tests. Matrix Algebra. Eigenvalues and Eigenvectors. Input-Output Matrix. The Hessian. Linear Programming. Simplex Algorithm.

### **ECON 2001Y(3) - MICROECONOMIC THEORY**

Topics in Consumer Theory: Utility Maximisation, Demand, Slutsky Equation, Revealed Preference and Duality, Applications. Theory of Production and Costs. Factor Market Analysis. Market Structure: Competitive Markets and Monopoly.

Choice under Uncertainty and Applications. Game Theory and Applications. Oligopoly and Strategic Behaviour. Markets with Asymmetric Information: Moral Hazard and Adverse Selection. Principal-Agent Models and Optimal Incentive Schemes. General Equilibrium and Welfare Economics. Externalities and Public Goods.

**ECON 2002Y(3) - MACROECONOMIC THEORY**

Introduction to General Equilibrium Model. IS-LM under a Government Budget Constraint. Theories of Consumption and Savings. Theories of Investment. Government Spending and Borrowing. Mundell-Fleming Model. Exchange Rate Models.

Rational Expectations. Policy Ineffectiveness Proposition. Lucas Critique. Supply - Side Recommendations. Further Aggregate Demand and Aggregate Supply Analysis. Central Bank Independence. Theories of Business Cycle. Growth Models.

**ECON 2003Y(3) - PRINCIPLES OF ECONOMETRICS**

Classical Linear Regression Model: Hypothesis Testing. Multiple Regression Analysis. Breakdown of Assumptions: Heteroskedasticity, Serial Correlation, Multicollinearity, Measurement Errors, Endogeneity. Dummy Variables. Simultaneous Equation Models: Identification and Estimation Methods, Time Series Models: Distributed Lag Models, Unit Root Tests, Cointegration, and Error-Correction Models, Granger Causality, Introduction to VAR Modelling. Computer Applications.

**ECON 2004Y(3) - MONEY, BANKING & FINANCE**

Money. Money Demand and Money Supply Analysis. Principles of Financial Intermediation. Banking. Interest Rates. Financial Markets. Regulation. Central Banking. International Banking. Monetary Policy. Transmission Mechanism Models. Mauritian Financial System and Development.

Investment Decisions - Choice under Uncertainty. Term Structure of Interest Rates. Optimal Portfolio Choice: Mean. Variance Analysis. Asset Pricing Models. Security Valuation. Market Efficiency. Portfolio Analysis. Option Pricing Theory. Capital Structure and Dividend Policy.

**ECON 2005Y(3) - ECONOMICS OF INDUSTRY AND LABOUR**

Structure, Conduct and Performance. Oligopoly Models. The Role of Advertising. Mergers and Acquisitions. Development Costs and Firm's Strategy. Models of the Firm. Integration. Theories. Economics of Innovation. International Trade and Investment. Small Enterprises. Location Analysis.

Wage Determination. Unionisation and its Implications. Wage Differentials and Income Distribution. The Economics of Education. Government Intervention. Labour Policy and Economic Management. Migration Models.

**ECON 2006Y(3) - ECONOMICS OF TRANSPORT AND TOURISM**

Analysis of Transport Markets. Pricing Policies and Reform. Technology and the Transport Sector. Transport Externalities. Sustainable Transport Network. Transport Policy. Regulation and Deregulation. Case studies.

Economics of Domestic and International Tourism. Eco-tourism and Small Island Economies. Methods of Evaluating the Sustainability of Tourism. Cost Structure and Pricing Strategies. Hospitality Management. WTO and Regional Strategies. Case Studies.

**ECON 3000(5) - DISSERTATION**

At the end of the third year of the programme, the students will be required to submit a project dissertation. The title of the dissertation has to be approved by the Department of Economics and Statistics and a Project Supervisor identified by the Programme Co-ordinator. The dissertation length should be in the range of 8,000 –12,000 words.

**ECON 3112(5) - MAURITIAN ECONOMY**

Contemporary Mauritian Economy: Macroeconomic Trends. Stabilisation and Structural Adjustment. Exchange Rate and Trade Policy. International Tourism and Development. Labour and Financial Markets and Institutions. Offshore Economic and Financial Activities. Regionalisation and Globalisation. Information Economy.

**ECON 3131(5) - INTERNATIONAL TRADE**

International Trade Theories: Ricardian and Heckscher-Ohlin Models. The Generic Model and Offer Curves. Imperfect Competition and Intra-Industry Trade. International Factor Movements and FDI. Intertemporal Trade. Trade Strategies and Policies: Instruments of Protection, Effects of Protection on Trade and Welfare, Dumping.

**ECON 3251(5) - PROJECT APPRAISAL**

Introduction to Policy Analysis and CBA. Theoretical Underpinnings to CBA - Consumer and Producer Surplus, General Equilibrium Considerations, Equity and Efficiency. Discounting and Alternative Investment Criteria. Risk and Project Analysis. Project Management and Project Monitoring. Social Dimension.

**ECON 3263(5) - ENVIRONMENTAL AND RESOURCE ECONOMICS**

Environmental Resources and Market failure. Economic measurement of Environmental Impacts. Methods of Valuation. Environmental Accounting. Issues in Sustainability. Resource Economics. Environmental Policy Analysis. Case Studies.

**ECON 3279(5) - FINANCIAL MARKETS AND INSTITUTIONS**

Financial systems. Banks v/s Capital Market. Capital Markets and Resource Allocation. National and International Financial Markets, Instruments and Institutions. Structure of Financial Markets and Trading Techniques. Interest Rate Linkages. International Liquidity. Financial Stability and Capital Flows. Financial Crisis and Contagion. Regulatory Framework.

**ECON 3293(5) - MANAGERIAL ECONOMICS**

Objectives of the Firm. Constrained Optimisation. Demand Forecasting. Production and Cost Analysis. Market Structures and Pricing Practices. Risk Analysis. Introduction to Asymmetric Information.

**LAWS 2107(5) - LAW RELATING TO FINANCIAL SERVICES**

The regulatory framework (Financial Services Development Act and other Legislation); Law relating to e-business and e-banking; The legal dimensions of insurance relationships; The legal framework of banking transactions (banking services, the bank-client relationship, securities in banking transactions); The legal aspects of the financing of international transactions; Securities regulation; Money laundering.

**MGT 1026Y(1) - PRINCIPLES AND PRACTICE OF MANAGEMENT**

Part 1: The study of organisations; The environment of Organisations; Evolution of Management theory; Management concepts; Functional Areas of Management: Production, Finance, HR and Marketing, The Managerial functions of Planning, Leading, Organising, Controlling; Managerial Skills. Part 2: Managing individuals in organisations: Managing differences; Motivation, Managing Groups and Teams: Group behaviour; Conflict and co-operation; Power and Politics; Leadership; Social Responsibility. Part 3: Managing Structure and processes: Organisational structure; Job design; Restructuring, Communications, Careers, Change; Diversity; Knowledge Management. Part 4: Evolution of Marketing, Marketing Mix, 4 Ps of marketing.

**MGT 2060Y(3) - MARKETING MANAGEMENT**

Nature and Scope of Marketing; The Marketing Environment; Marketing Research and Marketing Information Systems; Buyer Behaviour Segmentation, Targeting and Positioning Framework; Marketing Mix: Product and Services, Place (channel decisions and channel intermediaries), Price (pricing considerations and pricing methods), Promotion (Advertising, Personal Selling, Public Relations, Sales Promotion, Direct Marketing & Sponsorship); The extended marketing mix; Services Marketing; Broadening the scope of marketing: Social responsibility; Ethics; Green Marketing; Customer Relationship Management; Marketing Plan; Marketing Audit (Analysing Industry Attractiveness, BCG Model, Strategic Planning & Control, Review of Marketing Mix Strategies).

**MGT 2061Y(3) - HUMAN RESOURCE MANAGEMENT**

Evolution of HRM, HRM policy goals, SHRM - HRM and organisational performance, Individual performance - attitudes and behaviour, Organisational citizenship behaviour and organisational culture, Psychological contracts, Organisational justice, Job redesign and team working, Human resource planning, Recruitment and selection, Performance appraisal and

management, Reward management, Training and development, Employee relations. International human resource management - management of expatriates, cross cultural management, Comparative human resource management (US, EU, Japan, Asia-Pacific, etc), Public sector HR (New public management), Criticisms of HRM, Case Study and seminars.

**MGT 3059Y(5) - INTERNATIONAL BUSINESS AND MANAGEMENT**

The International Business Environment – Introduction to International Business, The Emerging Global Economy, The Role of Technological Forces in the Globalisation Process, Differences in Political Economies, The Concept of National Competitiveness, Emerging Markets in the Global Economy.

Cross-Border Management – The International Marketing environment as influenced by Political, Legal and Cultural dimensions. Foreign Market Analysis, Selecting and Managing Entry Modes to Foreign Markets, Assessing the Impact of Exporting, Importing and Counter-Trade. International Market Research and Multinational Marketing Information Systems. International Marketing Mix decisions Managing Diversity and Cross Cultural Differences. Current Issues in International Business and Management.

**MGT 4216(5) - MARKETING OF FINANCIAL SERVICES AND PRODUCTS**

Understanding Marketing Management. Analysing Marketing Opportunities and Consumer Behaviour. Marketing Decisions in Product, Pricing, Distribution and Communication. Financial Services and Service Quality Issues. Marketing Planning and Control. Marketing of Specific Financial Products such as Credit Card, Funds Marketing, etc.

**STAT 1001Y(1) - STATISTICS FOR ECONOMISTS**

Collection, Organisation and Presentation of Data. Averages. Sample Designs and Surveys. Dispersion and Skewness. Probability. Index Numbers. Time Series Analysis. Correlation and Regression.

Probability Distributions. Statistical Inference. Estimation and Tests of Hypotheses: the case of Mean, Proportion, Difference between Means and Proportions, Variance. The Chi-squared Distribution and Goodness of Fit. Inference with respect to Correlation and Regression.