

## Programme Compulsory Courses

### **MAF624 - Advanced Management Accounting**

This course is designed to provide students with the critical knowledge and professional skills necessary to evaluate and apply the specialised concepts and contemporary techniques in management accounting in various business contexts to enable the management to make decisions related to planning, monitoring and evaluation of the organisation's performance and strategic development. The course covers the sales mix and limited resources, decision-making under risk and uncertainty, target cost and pricing of goods and services, capital budgeting, Responsibility accounting and performance evaluation, customer profitability analysis, quality costing, balanced scorecard, inventory management, and product life cycle costing.

(Prerequisite: None)

### **MAF650 - Advanced Financial Management**

This course is designed to provide students with critical knowledge and understanding of the specialised concepts and theories in financial management. The course covers the following main topics: capital markets and market efficiency, short-term financing and working capital management: cash management, Inventory management and trade receivables management, long-term financing: equity and debt financing, advanced cases in valuing investments: capital structure theories, cost of capital, dividend theories and policies, mergers and acquisitions. (Prerequisite: None)

### **MAF691 - Methods of Scientific Research and Applied Statistics for Accounting and Finance**

This course is designed to provide students with critical knowledge and understanding of investigative methods and professional skills necessary to apply scientific research methods and applied statistics to carry out discreet scientific research to address complex accounting and financial problems in the business environment. This course deals with the philosophy and ethics of scientific research, identifying the research problem and developing the objectives. The course also covers the methodology of scientific research, data collection tools and applied statistical methods suitable for data analysis using modern statistical packages.

(Prerequisite: None)

### **MAF603 - Advanced Corporate Reporting**

This course is designed to provide students with critical knowledge and core concepts in advanced corporate reporting. The course covers the conceptual framework for financial reporting, disclosure of equity-based payments, disclosure of insurance contracts, disclosure of non-current assets held for sale and discontinued operations, disclosure of mineral resources prospecting and submission, fair value disclosure, financial reporting fraud: earnings management, risk disclosure, sustainability disclosure, graphical and photographic reporting, corporate reporting in the Kingdom of Bahrain.

(Prerequisite: None)

# Course Description

## **MAF653 - Investment Portfolio Management**

This course is designed to provide students with critical knowledge and a specialised understanding of investment analysis and portfolio management. The course covers the portfolio return and risk, diversification and portfolio risk, efficient portfolio selection models, capital asset pricing model, weighted pricing theory, multi-factor model, management of stocks portfolio, bonds portfolio, and investment funds, valuation portfolio performance, financial derivatives, and foreign investment portfolio.

(Prerequisite: None)

## **MAF631 - Advanced Tax Accounting**

This course is designed to provide students with critical knowledge and fundamental concepts in tax accounting. The course covers: taxable and non-taxable income, taxable and unacceptable expenses, income tax on salaries, wages and similar incomes, income tax on taxpayers with regular accounts, payment methods of tax and fines, general sales tax, value-added and tax evasion.

(Prerequisite: None)

## **MAF658 - Financial Risk Analysis and Management**

This course is designed to provide students with critical knowledge and a specialised understanding of financial risk analysis and management. The course covers a range of topics, including an introduction to probabilities and descriptive statistics, types of financial risk, analysis and management of credit risk, liquidity risk, interest rate risk, currency exchange risk, ownership risk, money laundering risk, financial engineering and its role in risk management, capital adequacy risk in conventional and Islamic banks.

(Prerequisite: None)

## **MAF604 - Advanced Financial Analysis**

This course is designed to provide students with critical knowledge and professional skills in financial analysis. This course covers financial statement analysis, financial analysis tools and methods, statement of financial position analysis, income statement analysis, cash flow statement analysis, credit analysis for short- and long-term lending purposes, profitability analysis, corporate valuation, and financial forecasting.

(Prerequisite: None)

## **MAF699 - Thesis**

This course is designed to prepare the student for planning and carrying out a supervisory-based master thesis in accounting and /or finance. The thesis is prepared following the specialised steps of scientific research. The student is expected to use higher-level skills to critically evaluate information to investigate a complex problem and devise innovative solutions. This is done through a structured methodology, literature review and analysis of relevant data to arrive at appropriate research conclusions and recommendations that will hopefully contribute to qualitative development at the professional and community levels. The final version of the thesis is subject to public defence, and its assessment is based on the written and oral presentation, which is prepared in accordance with the Thesis Guide at Applied Science University.

(Prerequisite: MAF 691 + 24 Credit Hours)

# Course Description

## Programme Electives Courses

### **MAF651 - Entrepreneurial Finance**

This course aims to provide students with critical knowledge and a specialised understanding of entrepreneurial finance. The course covers the characteristics and importance of entrepreneurial projects, sources of finance, revenue forecasting, financial needs assessment, methods of determining financial value, risk and reward sharing, exit strategies, and financing of entrepreneurial projects in the Kingdom of Bahrain. (Prerequisite: None)

### **MAF654 - Islamic Finance**

This course is designed to provide students with critical knowledge and fundamental concepts in Islamic finance. The course covers the concept and characteristics of Islamic finance, sources and uses of funds, Islamic financing modes and associated risk: Murabaha, Ejara, Musharakah, Mudarabah, Salam and Istisna'a. It also discusses the regulatory and legislative framework of the Islamic financial industry, governance, Shari'a supervision and social responsibility in Islamic banks.

### **ECO 601 - Managerial Economics**

This course is designed to provide students with critical knowledge of specialised theories and fundamental concepts related to managerial economics. The course covers the costs, demand, pricing, market structure in economic systems, strategic planning, market equilibrium under different competition conditions, and analysis of economic forecasts. (Prerequisite: None)

### **MAF 660 - Advanced Audit**

This course is designed to provide students with critical knowledge and understanding of contemporary issues and specialised concepts in auditing. The course covers the community need for audit, auditor independence, professional scepticism, financial statements fraud and auditor's responsibility, audit quality and earnings management, quality control of audit using artificial intelligence techniques and Sigma 6 approach, designing and testing internal control systems, analytical audit procedures, and completion of the audit process, audit reports, environmental and social audits.

(Prerequisite: None)

### **MAF 671 - Advanced Accounting Information Systems**

This course aims to provide students with critical knowledge of accounting information systems. The course covers the strategic role of accounting information systems in adding value to the organisation, documenting accounting information systems: document flow chart, control and accounting information systems, control objectives of information and technology framework (COBIT), audit of computerised accounting information systems, databases using the entity and relationship model (REA), systems design and implementation, development and analysis of accounting information systems, strategies for the development of accounting information systems.

(Prerequisite: None)