



جامعة العين
AL AIN UNIVERSITY

College of Business

BBA in Finance and Banking

COURSE DESCRIPTIONS

Course ID	Course Name	Brief Course Description
0503210	Computer Applications in Finance	The main objective of this course is to enhance the students' technological finance skills by linking what they studied earlier in standard finance courses with implementation using computer applications like Microsoft Excel, Monte Carlo simulation, and other tools. This course is lab-based, project-oriented, and provides hands-on experience in using computer application tools. It helps bridge the gap between theory and practice when students take real-life examples/case studies and perform the analysis directly on computers. The course covers essential topics in finance such as the time value of money, capital budgeting, capital structure, and financial markets, stocks, and finally, bonds valuation. This course aims at helping students to be ready for real-world applications of corporate finance and investments.
0503300	Principles of Financial Management	This course introduces relevant topics in finance and accounting to enlighten students in making financial decisions. It introduces the tools and techniques of financial management and their use to make managerial decisions. It emphasizes the understanding of finance theory and working knowledge of the financial environment in which the firm operates to develop appropriate financial strategies. Therefore, this course covers the whole range of basic finance concepts, economic and financial environment, financial statement analysis, risk analysis, valuation process, capital budgeting, and the cost of capital. It will also cover financial analytical tools, cash flow management techniques, and working capital management.
0503310	Corporate Finance	This course focuses on developing the theory of finance, method, and various analytical techniques of financial management. The course mainly covers capital budgeting techniques, valuation of projects and firms, theory of capital structure, dividend policy, cost of capital, and mergers & acquisitions.
0503320	Investment Management	This course focuses on the essential knowledge and skills required by individual and institutional investors to make sound investment decisions in the securities markets, at home, and abroad. It covers the topics such as various types and organizations of securities markets, risk and returns analysis, and features and characteristics of securities with a specific concentration on common stocks, corporate bonds, and mutual funds. In addition, the course introduces the basic concepts of modern investment theory consisting of portfolio management and asset pricing models.
0503321	Portfolio Management	This course focuses on portfolio management theory and investment in practice. It covers several topics, including investment allocation, portfolio construction & management, and portfolio evaluation. It also covers the hedging instruments and techniques portfolio managers use, asset pricing models, and their implications for investment.

0503330	Banking Operations Management	This course focuses on managing depository financial intermediaries with a primary emphasis on commercial banks. It includes bank regulation, liquidity and reserve position management, loan pricing and analysis, investment portfolio problems, and overall asset-liability management.
0503340	Islamic Finance	The course introduces the basic concepts of Islamic finance with particular concentration on the issue of the Reba (prohibition of pre-determined fixed interest rate) and its Islamic alternative, such as the profit-loss sharing approach. The course is designed to explain Islamic banks' main Islamic financial contracts (Murabaha, Mudarbaha, and Musharkaha) and their applications. In addition, the course sheds light on both insurance and stock market operations from an Islamic perspective.
0503350	International Financial Management	This course focuses on the applications of financial theory to the operations of multinational corporations. It includes a good number of topics such as the international financial environment, determinants of an international portfolio, and direct investment capital flows; it further includes the management of foreign exchange positions and hedging strategies. Furthermore, the course includes multinational capital budgeting, international capital structure decisions, international cost of capital and credit institutions, and capital markets.
0503360	Risk Management and Insurance	This course focuses on business risk management, liability, loss exposures, risk control tools, risk financing tools, and legal aspects of insurance. It covers the fundamentals of insurance, including interpretation of policies, car insurance, retirement plans and annuities, life insurance, and the computation of insurance premiums. Moreover, this course seeks to introduce the basic concepts, operations, and activities conducted by the Islamic insurance & Reinsurance industry in UAE, which provide a stepping-stone to further course work and experiences in risk and insurance management.
0503370	Personal Finance	This course introduces various aspects of Personal Finance, which is essential in meeting the financial challenges of the 21st Century. This course enlightens students to help develop competencies (which constitutes the basis of this course), enabling them to analyze their personal financial decisions, evaluate the costs and benefits of their choices, recognize their rights and responsibilities as consumers, and apply the knowledge learned in this course to financial situations encountered later in life. This course focuses on personal finance, including goal setting, cash management, credit, insurance, taxes, housing, investment alternatives, and retirement plans. It provides the information needed to help students plan for the future and achieve financial security. In addition, the course has been designed to provide updated and revised topics like VAT taxes, Educational loans, health care, and investments. Finally, the course includes techniques for planning and controlling savings, spending, and investing decisions to achieve personal financial goals.
0503400	Financial Analysis and Planning	This course prepares the students to analyze, interpret and evaluate financial decisions effectively through the case study methodology. The course covers preparing financial statement analysis, predicting economic failure models, financial analysis from the creditors' perspective, technical analysis, and some fundamental analysis.
0503460	Financial Engineering	This course seeks to bridge the gap between theoretical finance and its practice. It focuses on financial engineering tools and knowledge from computer science, statistics, economics, and applied mathematics to address current

		financial issues and devise new and innovative financial products. This course applies the mathematical techniques to solve the financial problems in commercial banks, investment banks, insurance agencies, and hedge funds, given that the financial industry has been growing with new and innovative investment tools and products for investors and companies. In addition, this course asserts the fact that most of these products have been developed through techniques in the field of financial engineering.
0503470	Financial Markets and Institutions	This course introduces and analyzes the structure and functions of the financial system. It starts with an introduction of financial institutions, focusing on their main functions and operations, discusses various financial markets, including the money markets, bond markets, stock markets, and finally, the financial institutions' management issues.
0503480	Financial Feasibility Study	This course provides the knowledge and skills needed to conduct the feasibility study to decide whether to accept or reject the project. It uses the case study methodology and concentrates on the financial study, including estimating relevant cash flows, estimating the cost of capital, and calculating the risk-adjusted NPV.
0503490	Internship (Finance and Banking)	This Internship Program is a planned academic work experience in relevant workplaces directly related to COB's finance and banking major/concentration. This program provides an excellent opportunity for students to attach their field of study to a practical experience of their career interest in the short term. This program is conducted under the supervision and guidance of an academic advisor and field supervisor in the workplace to integrate the students' knowledge to what is taught in the college with those required in the workplace in the finance and banking area. In addition, the program is designed to help students expose and familiarize themselves with the real-life financial issues and challenges confronted practically in the financial sector (finance and banking) before graduation.
0507410	Business Law and Ethics	This course analyzes essential ethical principles valued from different perceptions to provide tools for making sound ethical decisions in various business situations and the face of business dilemmas. The course will introduce the students to the legal system as it relates to the business world. The course reviews the common law and its development, organizational structures, and the regulatory environment pertinent to business. Special attention is given to the law of contracts, business associations (agency, partnerships, and corporations), sales, commercial papers, wills, estates, trusts, and other legal entities.
0508200	Mathematics for Business	This course is a required compulsory course useful for studying different economics, business or management courses. It assumes minimal mathematical background but demonstrates the usefulness and relevance of fundamental mathematics in economics and business. It covers some mathematical preliminaries, the straight line and applications, simultaneous equations, non-linear functions such as quadratic, cubic, and other polynomial functions, simple and compound interest, annuities, and applications of differentiation in marginal function average function, and matrices.
0508201	Statistics for Business Decision-Making	This course introduces the use of statistics in business science and everyday life. It provides students with the knowledge to gather, process, and present statistical data, construct frequency charts, and compute measures of

		central tendency and standard and quartile deviations. This knowledge is then applied to solving business problems in sampling, hypothesis testing, regression and correlation, and trend analysis.
0508203	Scientific Research Methodology	The course provides a comprehensive introduction to writing a research proposal. It examines all phases of the research process, starting with identifying a topic, formulating hypotheses, methodology selection, literature review, data collection, analysis, and finally, preparing a final research document.
0509200	Principles of Macroeconomics	This course introduces economics, focusing on macroeconomic issues, problems, and challenges. The course addresses the central macroeconomic concerns, including economic growth, business cycles, unemployment, and inflation. Further, the course emphasizes the theory of income determination and monetary and fiscal policies. Finally, it also provides exposure to calculating gross domestic product, national income, and aggregate expenditure.
0509210	Principles of Microeconomics	This introductory economics course focuses on microeconomic issues, problems, and challenges. It primarily focuses on the theory of resource allocation and price determination under various market structures. In addition, it covers important topics such as the theory of supply and demand, the theory of consumer behavior, and the theory of the firm under different market conditions.