Finance

Course Descriptions

FN 6009 QUANTITATIVE METHODS IN FINANCE 3 CREDITS
Course Description
This course provides the quantitative foundations required to take informed investment decisions backed by data analysis and statistical inferences. The course introduces quantitative techniques that are used in asset valuation, portfolio management and financial decision making. The course also includes an extensive introduction to Excel’s data analysis tool.

FN 6010 FINANCIAL MANAGEMENT 3 CREDITS
Course Description
Financial Management provides a working knowledge of corporate finance and capital markets, focusing on the financial aspects of managerial decisions. The course touches most areas of finance, including valuation of financial assets, equity and bond valuation, basic portfolio theory, capital budgeting and dividend policy.

FN 6011 FINANCIAL INSTRUMENTS & INSTITUTIONS 3 CREDITS
Course Description
This course provides a rigorous coverage of the major financial markets and institutions and the instruments traded in these markets. Topics include interest rate determination, money and capital markets and their microstructure, as well as the role that financial institutions, such as the central bank, commercial and investment banks, play in the operation of financial markets. Emphasis is placed on discussing and analyzing the impact of current events in financial markets. For this purpose, the issues covered are illustrated with real-world cases and special focus on the interpretation of financial news.

FN 6012 COMMERCIAL BANK MANAGEMENT 3 CREDITS
Course Description
Commercial Bank Management provides a description of the banking industry and the regulatory environment in which banks operate and subsequently focuses on the various dimensions of bank management. It addresses all major areas of bank management, including asset/liability management, liquidity management, investment management, bank capital management, and loan portfolio management. The issues covered are illustrated with real cases and problems.

FN 6013 INTERNATIONAL FINANCIAL REPORTING 3 CREDITS
Course Description
International Financial Reporting introduces students to the International accounting and regulatory framework for conducting Financial Statement Analysis. The course examines International Financial Reporting Standards (IFRS), the emerging global system, as well as, the US Generally Accepted Accounting Principles (US GAAP), the system currently in use by the world’s largest financial market.
FN 6020  INVESTMENT & PORTFOLIO MANAGEMENT  3 CREDITS

Course Description
Investment and Portfolio Management introduces students to modern portfolio theory by focusing on the risk-return trade-off, investors’ risk preferences, portfolio optimization, and index models. It subsequently addresses the implications of portfolio theory for the equilibrium structure of expected rates of return on risky assets and covers other topics important for portfolio managers, notably performance evaluation and active portfolio management.

FN 6025  MANAGERIAL ACCOUNTING FOR DECISION MAKING  3 CREDITS

Course Description
The course provides an introduction to cost measurement, cost allocation, pricing and budgeting. The course focuses on the application of these tools to effective decision making.

FN 6035  CREDIT RISK MANAGEMENT  3 CREDITS

Course Description
The course will introduce the concept of corporate credit risk from a practical point of view. Credit risk management requires knowledge of financial markets and products, laws and regulations and quantitative techniques for credit risk evaluation. The course deals with the analytical aspects of credit risk - such as identifying industry or company specific risk – as well as the technical requirements of risk management which include statistical techniques for credit risk evaluation.

FN 6055  SEMINAR IN ETHICS IN FINANCE  1 CREDIT

Prerequisites: None

Course description
Introduction to major theories and moral problems as encountered in the domain of business financial decisions. The use of reasoning in moral assessment of finance related business practices. The seminar will pursue an interdisciplinary approach and will be delivered by faculty specialized in Ethics and in Finance.

FN 6130  FINANCIAL STATEMENT ANALYSIS & EQUITY VALUATION  3 CREDITS

Prerequisites:
FN 6010  Financial Management

Course Description
The course develops an understanding of financial statements and the tools to analyse evaluate and project financial performance. Moreover, the course introduces the basic techniques to calculate the value of a company. It links corporate finance to corporate strategy by instilling a managing value mind set in the corporation.
FN 6131       MODELING FINANCIAL DECISIONS  3 CREDITS

**Prerequisites:**  
FN 6009 Quantitative Methods for Business

**Course Description**  
In a free enterprise economy and a highly competitive environment the business person should be equipped with a sound foundation in the theory and practice of econometric modeling as applied in finance. Modeling Financial Decisions helps the student, to meet the challenge successfully; the business person develops skills necessary to conduct his/her own empirical investigations of a range of economic and financial relationships. The course addresses major topics such as regression analysis, principal components in finance, volatility modeling, time series analysis and forecasting.

FN 6132       INTERNATIONAL FINANCE  3 CREDITS

**Prerequisites:**  
FN 6010 Financial Management

**Course Description**  
International Finance introduces students to issues involved in the financial management of multinational corporations and those firms exposed to global competition. It addresses major topics such as the balance of payments, international monetary system, international financial crises, exchange rate determination, parity conditions and foreign currency risk management.

FN 6133       FINANCIAL DERIVATIVES & RISK MANAGEMENT  3 CREDITS

**Prerequisites:**  
FN 6009 Quantitative Methods for Business

**Course Description**  
Financial Derivatives and Risk Management introduces students to the concepts of no-arbitrage, replicating portfolios, and self-financing strategies, which are essential for an in-depth understanding of the derivatives valuation process. The course deals with forwards, futures, equity options, caps, floors and other derivative instruments which represent the most commonly used products in risk management. The course also introduces students to structured products that have gained popularity in the world of investment banking. Sessions combine lectures, where the theory is presented, and practice classes, where examples that are related to the real business/banking environment are analyzed.

FN 6223       FIXED INCOME ANALYSIS  3 CREDITS

**Prerequisites:**  
BU 6009 Quantitative Methods  
FN 6010 Financial Management

**Course Description**  
Fixed Income Analysis provides thorough coverage of fixed income products and analytical techniques for valuing bonds, including quantification of their exposure to changes in interest
rates. It also addresses issues pertaining to recent financial innovation and portfolio strategies for achieving client’s objectives.

FN 6234 INVESTMENTS & TRADING SIMULATION 3 CREDITS

Prerequisites:
FN 6009 Quantitative Methods for Business
FN 6020 Investment and Portfolio Management
The course also requires training to use the Reuters Data Base. The training is provided by Thomson-Reuters and must be completed prior to taking the course.

Course Description
Investments and Trading are the focus areas of Asset Management. This course builds on the theoretical knowledge gained form previous Investment courses and provides both additional knowledge on investment decisions and practical hands-in, real world experience of the entire investment process. This includes asset allocation, investment strategies, security selection, portfolio construction, portfolio valuation, performance measurement and rebalancing. The course develops the knowledge that students need to embark in a career in Asset Management as portfolio managers, investment analysts, strategists or private bankers.

FN 6360 CAPSTONE PROJECT 3 CREDITS

Prerequisites:
FN 6010 Financial Management
FN 6020 Investment and Portfolio Management
FN 6130 Financial Statement Analysis and Equity Valuation
Five additional courses completed or in progress

Course Description
Candidates for the MS in Finance are required to submit a dissertation. The following two options are available:

(i) Equity Research Report
or
(ii) Investment Analysis Project

Students have one semester (13 weeks) to complete the dissertation under the continuous supervision of a faculty supervisor. The dissertation is presented to a panel consisting of the supervisor, two other faculty members, and one or two professionals. Final assessment is carried out by the supervisor.