

FINC 403

Financial Foundations

1 Credit Hour

This course includes basic concepts of the time value of money, discounts cash flows, capital budgeting, debt and equity financing.

FINC 521

Managerial Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-403,

The objective of this course is to develop an understanding of finance theory necessary to implement effective financial strategies. The course will initially review fundamental concepts such as time value and the basics of risk and return. The course will then explore the valuation of bonds and stocks, strategic investment and financing decisions. This will include cost of capital, capital budgeting and long-term financial planning.

FINC 530

Investment and Portfolio Analysis

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-521

This course will initially explore asset allocation decisions, the purpose and content of an investment policy statement, theories of market efficiency, evidence of anomalies, the development and evolution of risk-return analysis, measures of risk and theories of valuation. The course will then focus on the analysis and management of bonds and common stocks. Bond analysis will include forward rate and term structure theories and the determinants of bond volatility, including duration and convexity. Common stock analysis will include present value and relative valuation approaches, as well as industry and company-specific analysis.

FINC 540

International Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-521

This course will study the relationship between external environmental forces and institutions from managerial perspectives. Topics will include foreign exchange market, exchange rate determination, currency derivatives, and risk management. Global investment decision process in terms of valuation and portfolio analysis of international stocks and bonds will be explored.

FINC 550

Advanced Corporate Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-521

This course focuses on a quantitative analysis of the management of funds within a business enterprise. Topics will include the planning of current and long-run financial needs, profit planning, allocation of funds, raising funds, dividend policies, expansion and combination, re-capitalization and reorganization. Completion of specified undergraduate business courses.

FINC 560

Financial Analysis I

3 Credit Hours

Pre/Corequisite: P (RQ) ACCT-401, FINC-403

The objective of this course will be the analysis of financial statements from the point of view of an equity or credit analyst. Topics may include financial reporting system (with an emphasis on IFRS), analysis of principal financial statements, financial reporting quality, analysis of inventories and long-lived assets, analysis of taxes, analysis of debt, analysis of off-balance-sheet assets and liabilities, analysis of pensions, stock compensation, and other employee benefits, analysis of inter-corporate investments, analysis of business combinations, analysis of global operations and ratio and financial analysis.

FINC 570

Quantitative Methods in Finance

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-521

Explores facets of quantitative investment management, such as alpha models and data analysis, risk management, portfolio construction and trading, and limitations of a quantitative approach. Focuses primarily on foreign exchange and fixed income markets; may also address examples from equity and commodity markets. Alpha models organized as case studies employing value/mean-reversion, momentum and carry strategies. Students use market and economic data to challenge theoretical formulations. Problem sets and team projects involve MATLAB programming to solve practical problems faced in building and running quantitative funds.

FINC 577

Special Topics in Finance

3 Credit Hours

The focus of this course is on special topics in finance. The course will be offered as a seminar on a subject of current interest.

FINC 590

Future Options and Swaps

3 Credit Hours

Pre/Corequisite: P (RQ) FINC-521

This course will study the uses of Options, Futures and other derivatives in Financial Engineering and Risk Management, typically found in finance, economics and business practices. The characteristics, market infrastructure and pricing of forward, futures, options and swaps will be analyzed. Many of the hedging skills, techniques and processes that produce financial innovations in the derivatives market will be developed. Cases will be illustrated where uses and abuses of the derivative securities in Financial Engineering and Risk Management will be emphasized to enable students to become responsible financial managers.

FINC 599

Functional and Strategic Finance

3 Credit Hours

Organized around applying finance science and financial engineering in the design and management of global financial institutions, markets and the financial system - the approach used to understand the dynamics of institutional change and

the design of financial products and services. Examines the needs of government as user, producer and overseer of the financial system, including the issues surrounding measuring and managing risks in financial crises. Develops the necessary tools of derivative pricing and risk measurement, portfolio analysis and risk accounting and performance measurement to analyze and implement concepts and new product ideas. Applies these tools to analyze aspects of the financial crises of the past. Consent of Dean.