

Daniels College of Business
MSAQF Program (45-57 Credit-Hours)

Revised: July 2022

ACTG 4220 – Financial Accounting and Analysis (4 credits)

Consolidated financial statements, accounting for leases, currency translation, and options and futures impacts, GAAP to restate financial statements for differences between companies. Impact of financial transactions and evaluating a firm's performance from a user's perspective.

Prerequisite: FIN 4630

Offered: Winter

ACTG 4610 – Financial Accounting and Reporting (4 credits)

In this course, students will gain a strong understanding of corporate financial statements that are consumed by parties such as managers, shareholders, creditors, and financial analysts. The course covers the fundamentals of accounting from recording individual business transactions through the preparation of a company's summarized financial statements. The course closely examines how economic events and business decisions impact the three main financial statements – Income Statement, Balance Sheet and Statement of Cash Flows. Students gain significant experience from analyzing Form 10-K annual reports of publicly traded companies.

Offered: Fall and Spring

FIN 4000 - Financial Modeling and Databases Bootcamp (1 credit)

This bootcamp is designed to introduce students to financial databases and to familiarize them with basic financial data analysis using Excel. The goal is for students to become comfortable with platforms such as Capital IQ and WRDS, which they will be using throughout their academic and/or professional careers. In addition, students will acquire a basic command of Excel functionality and efficiency in data analysis, together with modeling best practices and practical finance applications.

Offered: Fall and Spring

FIN 4110 - Ethics in Finance (4 credits)

The objective of this course is to discuss the ethical issues facing financial institutions and professionals and apply ethical principles to the analysis of these issues.

Offered: Spring

FIN 4150 - Advanced Business Valuation (4 credits)

In this course, students will learn theoretical development, analytical tools and practical approaches to analyze and tackle business valuation issues at the core of the financial professions. The theoretical section of the course provides in-depth coverage of the financial theories and models essential to value businesses. The application section provides students with opportunities to apply the valuation principles and techniques to assess business value and develop strategies to create value in a real-world context.

Prerequisite: FIN 4410

Offered: Winter and Summer (Online Fall and Spring)

FIN 4160 - Treasury Management (4 credits)

The objective of the course is to provide students with a comprehensive understanding of how various treasury functions are managed in a corporation and build students' capabilities to assume the role of a proficient treasury manager. This course will cover techniques used by major corporations to manage cash, the capital structure, financial risk and working capital.

Prerequisite: FIN4630

Offered: Spring and Fall

STAT 4610 (4 credits)

This course introduces students to basic analytical tools in statistics and operations management and provides theoretical concepts and skills that are building blocks for future courses. The approach is to present students with a "corporate" view of how statistical tools are used to analyze data and facilitate business decision-making. Students will familiarize themselves with all of the statistical techniques and models presented in the course and will demonstrate knowledge in applying the appropriate techniques and models to various data sets and interpreting the results of the analysis. The Microsoft Excel Data Analysis and Solver Toolkits will be used to conduct statistical analyses, allowing students to become more proficient overall in using Microsoft Excel and to place their emphasis on applications to core business disciplines, statistical reasoning, and proper interpretation of results. A rich variety of such problems and settings will be discussed in class.

Offered: Fall and Spring

FIN 4180 - Global Finance (2 credits)

This course explores financial management in the international arena. Principal content elements include: The market for foreign exchange, interest rate parity, hedging currency risk, international portfolio management.

Prerequisites: FIN 4630

Offered: Winter

FIN 4200 - Financial Investments and Markets (4 credits)

Introduction to financial markets, securities, instruments, and other factors that determine the financial environment. Basic discussion of risk and return, and how to assess and improve the performance of investment portfolios.

Prerequisite: STAT 4610, FIN4630

Offered: Winter, Spring, Summer, and Fall (Online Winter and Summer)

FIN 4320 - Equity Analysis (4 credits)

This course is an advanced finance course that focuses on the analysis of equity securities. The curriculum is primarily derived from the Candidate Body of Knowledge (CBOK) from the Chartered Financial Analyst® (CFA®) Program. The goal is to teach students how to implement objective, unbiased valuations through an understanding of the valuation process in theory and practice.

Prerequisite: FIN 4200

Offered: Spring, Winter, and Fall (Online Spring)

FIN 4330 - Portfolio Management and Risk Analytics (4 credits)

Case and project approach to foundation of investment portfolio management. This course emphasizes the application of modern portfolio management concepts and risk management principles.

Prerequisite: FIN 4200.

Offered: Spring

FIN 4410 - Financial Planning & Analysis (4 credits)

Advanced course in financial planning and decision-making focusing on capital structure, working capital management, long-range and short-term financial planning, and other corporate events such as mergers and IPOs.

Prerequisite: FIN 4630

Offered: Winter, Spring, Summer, and Fall (Online Winter and Summer)

FIN 4420 - Capital Expenditure Analysis (4 credits)

Advanced course in capital budgeting examining capital allocation processes and procedures and the theory and applied techniques of capital spending and divestment under conditions of certainty and uncertainty. Related issues of cost of capital and leasing also included.

Prerequisite: FIN 4630

Offered: Winter

FIN 4500 - Financial Modeling (4 credits)

Use of various financial software applications to construct models from corporate finance, investments, and financial markets. In particular, the course will cover the application of Excel spreadsheet functions and R programming to various topics including the time value of money, investment projects analysis, financial statements analysis, capital budgeting, portfolio analysis, and data & pivot tables.

Prerequisites: FIN 4630

Offered: Spring, Fall, and Winter

FIN 4630 - Managerial Finance (4 credits)

This course covers analytical skills and tools of finance managers; theoretical concepts and practical applications are included. Topics include ratio analysis, breakeven analysis and leverage, securities valuation, capital budgeting, financial forecasting, and working capital management.

Prerequisite: ACTG 4610

Offered: Summer, Fall and Winter

FIN 4710 - Marsico Investment Fund I (4 credits)

A securities analysis and portfolio management practicum in which students manage a University endowment gift donated by Tom and Cydney Marsico. The selection of students for this class is competitive. Students must agree to participate for 2 consecutive quarters, and they must be willing to address portfolio issues during the between-quarter periods if necessary.

Prerequisite: Permission of instructor (First part of two-quarter course.)

Offered: Winter and Spring

FIN 4720 - Marsico Investment Fund II (4 credits)

A securities analysis and portfolio management practicum in which students manage a University endowment gift donated by Tom and Cydney Marsico.

Prerequisite: FIN 4710 (Second part of two-quarter course.)

Offered: Winter and Spring

FIN 4740 - Managerial Microeconomics (2 credits)

This course combines the standard tools of microeconomic analysis with a well-rounded appreciation of the important perspectives that form the business environment in the contemporary world. The goal is to provide students with the tools from microeconomics, game theory, and industrial organization that they need to make sound managerial decisions. The course uses case studies to develop practical insights into managing the firm's resources to achieve competitive advantage. The course is divided into two principal modules based on market structure: perfect competition and imperfect competition. Both modules cover optimal behavior and strategies.

Offered: Fall

FIN 4750 - Managerial Macroeconomics (2 credits)

This course covers the theory and practice of modern macroeconomics. It teaches students how private market forces and government policy decisions drive fluctuations in the global economy and affect the business environment. It explores issues related to inflation, interest rates, foreign exchange rate, business cycles, and monetary and fiscal policies. The course uses case studies to analyze real-life macroeconomic issues, and students are encouraged to investigate the potential and limitations of macroeconomic theory with real-world problems. The course is divided into two modules: the economy in the long run, and the economy in the short run. Both modules cover impacts of government policies on the business environment in a closed economy and an open economy.

Offered: Fall

FIN 4800 - Organized Walk Down Wall Street (4 credits)

After four class sessions in Denver, participants will spend five days in New York visiting exchanges, brokerage firms, investment bankers, commercial banks, asset managers, and other institutions.

Prerequisite: Instructor Permission

Offered: Fall and Summer

FIN 4830 - Econometrics for Finance (4 credits)

Econometrics for Finance is designed to teach applied statistical tools relevant to understanding financial and economic data. It is designed to cover essential tools for working with financial data, including return forecasting, volatility and econometrics of asset pricing, such as testing market models. The emphasis is on empirical techniques which are used in the analysis of financial markets and how they are applied to actual data. It teaches how to use and apply techniques using R, a free software that is used by many finance professionals. The course is intended to prepare students to possess the quantitative tools to evaluate and implement in the finance arena.

Prerequisite: STAT 4610 and FIN 4500 (If no experience in R)

Offered: Winter and Summer

FIN 4860 - Derivatives (4 credits)

This course provides a theoretical foundation for the pricing of contingent claims and for designing risk-management strategies. It discusses more advanced material in financial derivatives and is intended for students who have a quantitative background and are interested in enhancing their knowledge of the way in which derivatives can be analyzed. This course covers option pricing models, hedging techniques, and trading strategies. It also includes portfolio insurance, value-at-risk measure, multistep binomial trees to value American options, interest rate options, and other exotic options.

Prerequisite: FIN 4200

Offered: Fall and Spring

FIN 4870 - Strategic Finance (4 credits)

Addresses theory, concepts, and techniques associated with asset management and creation of value from a strategic orientation. Links financial theory and practice to strategic and operational objectives of the firm, prepares student to incorporate risk and uncertainty into analytical decision-making process and to analyze divestiture, restructuring, and liquidation decisions.

Prerequisites: FIN 4410

Offered: Spring

FIN 4885 - Investment Banking and External Financing (4 credits)

This course is an advanced Corporate Finance course, focusing on the decisions by companies related to external sources of financing. There will be a mix of theory and practice, with outside speakers providing insight into the practice component. Topics will include business valuation, mergers and acquisitions, startup financing, angel investing and venture capital, bank loans, private equity, stock issuance, and going private.

Prerequisites: FIN 4410

Offered: Winter and Spring

FIN 4890 - Fixed Income Analysis (4 credits)

Emphasizes valuation and management of fixed income securities in prevailing environment of complex and innovative financial arrangements. Study of the nature of evolving markets, both domestically and internationally.

Prerequisite: FIN 4200

Offered: Fall and Spring

INFO 4140 – Business Databases (4 credits)

This is an introductory database course which will cover enterprise database design, modeling and implementation. Students with existing proficiency in databases can substitute another BIA graduate course.

Offered: Fall and Spring