FINANCE

FI

Department of Finance
Eli Broad College of Business
and The Eli Broad Graduate School of Management

293 Cooperative Education for Business Students
Fall, Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. Interdepartmental with Accounting and Economics and Hospitality Business and Management and Supply Chain Management. Administered by Supply Chain Management. R: Approval of department. SA: MSC 293

Integration of pre-professional educational employment experiences in industry and government with knowledge and processes taught in the student’s academic program. Educational employment assignment approved by the Department of Supply Chain Management.

311 Financial Management
Fall, Spring. Summer 3(3-0) P: (ACC 202 or ACC 230) and (STT 315 or STT 200 or STT 201 or STT 351 or STT 421 or STT 231 or STT 441) R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Actuarial Science major and not open to students in the School of Hospitality Business. Not open to students with credit in FI 311H.


311H Financial Management
Fall. 3(3-0) P: (ACC 202 or ACC 230) and (STT 315 or STT 200 or STT 201 or STT 351 or STT 421 or STT 231 or STT 441) R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the Actuarial Science major and not open to students in the School of Hospitality Business. Not open to students with credit in FI 311.


312 Introduction to Investments
Fall, Spring. Summer. 3(3-0) P: FI 311 R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business.


320 Introduction to Finance
Fall, Spring. 3(3-0) R: Open to students in the James Madison College or in the Apparel and Textiles major or in the Applied Engineering Sciences major or in the Computer Science major or in the Construction Management major or in the Economics major or in the Food Industry Management major or in the Interdisciplinary Studies in Social Science major or in the Media and Information major or in the Media and Communication Technology major or in the Media Arts and Technology major or in the Natural Resource Recreation and Tourism major or in the Packaging major or in the Retailing major or in the Security Management Specialization or in the Apparel and Textile Design major. Not open to students with credit in FI 311.

Overview of finance for the non-business major. Stocks, bonds, mutual funds, financial statement analysis, capital budgeting, financial planning.

321 Theory of Investments
Fall, Spring. 3(3-0) P: FI 311 R: Open to students in the Actuarial Science Specialization or in the Actuarial Science major or in the Economics major. Not open to students with credit in FI 312.

Theoretical analysis of common stocks, bonds, options and futures. Tradeoff between risk and return, market efficiency, efficient portfolios and CAPM. Cash flow evaluation and option evaluation.

379 Advanced Derivatives
Spring. 3(3-0) P: FI 311 R: Open to students in the Actuarial Science Specialization or in the Actuarial Science major or approval of department. Not open to students with credit in FI 478.

Pricing, trading strategies, hedging applications, and markets for forwards, futures, swaps, and options.

393 Introduction to International Business
Fall, Spring. Summer. 3(3-0) P: Abroad. Spring: Abroad. Summer: Abroad. Interdepartmental with Accounting and General Business and Business Law and Hospitality Business and Management and Marketing and Supply Chain Management. Administered by Marketing. R: Open to students in the Eli Broad College of Business and The Eli Broad Graduate School of Management or in the School of Hospitality Business.

Introduction to the context of international business delivered on-site in foreign settings. Fundamental concepts and principles of globalization such as multinational corporations, foreign markets and economies, internal and external market transactions, international law, cultural influences, and multinational business strategies.

413 Management of Financial Institutions
Fall, Spring. Summer. 3(3-0) P: FI 311 R: Open to students in the Eli Broad College of Business and The Eli Broad Graduate School of Management.

Management, decision-making and policy formulation for depository and non-depository financial institutions emphasizing commercial banking. Savings banks, credit unions, S
corporations and non-bank financial institutions including investment banks.

414 Advanced Business Finance (W)
Fall, Spring. Summer. 3(3-0) P: Completion of Tier I Writing Requirement and FI 311 and (FI 312 or FI 321) R: Open to seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management.


425 Law and Economics (W)
Fall. 3(3-0) Interdepartmental with Economics. Administered by Economics. P: (EC 251H or EC 301) and Completion of Tier I Writing Requirement.

Application of economic analysis to the law. Property rights, takings, the Coase Theorem. The economics of regulation, crime and punishments, liability law, and public choice.

444 Entrepreneurial Finance
Spring. 3(3-0) P: FI 311 and (MGT 352 or MKT 355) R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management.


451 International Financial Management
Fall, Spring. Summer. 3(3-0) P: FI 311 R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business.

Financial management of multinational firms. Theoretical and applied aspects of international capital budgeting, capital structure, cash management, asset pricing, and risk management. Cross-cultural and ethical considerations.

455 Computer Applications in Financial Modeling
Fall, Spring. Summer. 3(3-0) P: (FI 312 or FI 321) and (MKT 317 or STT 422 or STT 442) R: Open to students in the Finance major.

Development of computer spreadsheet-based models to analyze corporate financial strategies and valuation issues.

457 Security Analysis
Fall, Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: FI 312 R: Not open to students in the School of Hospitality Business.


473 Debt and Money Markets
Fall. 3(3-0) P: FI 311 R: Open to students in the Eli Broad College of Business and The Eli Broad Graduate School of Management.

Role and nature of international debt and money markets. Corporate and government bond valuation, fixed income derivative instruments and bond portfolio management. Special role of “time” in debt and money markets.
478  Investment Strategies and Speculative Markets  
Fall. 3(3-0) P: FI 311 and FI 312 R: Open to juniors or seniors in the Eli Broad College of Business and The Eli Broad Graduate School of Management and not open to students in the School of Hospitality Business. Pricing, trading strategies, hedging applications, and markets for forwards, futures, swaps, and options.

490  Independent Study  
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to seniors. Approval of department. Supervised independent study of special topics in finance.

491  Topics in Finance  
Fall of even years. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: FI 311 R: Open to juniors or seniors. Current and emerging issues in finance to supplement and enrich existing courses.

801  Managerial Finance  
Fall. 3(3-0) RB: (ACC 800) and students in programs for which FI 801 is a catalog-listed requirement. R: Open only to students in Professional Accounting. Short-, intermediate- and long-term problems. Financial planning and control. Applications in domestic and international settings.

821A  Cross Section and Panel Data Econometrics I  
Fall. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Statistics and Probability. Administered by Economics. P: EC 820B SA: EC 821 Analyses of systems of equations, panel data models, instrumental variables and generalized method of moments, M-estimation, quantile regression, maximum likelihood estimation, binary and multinomial response models, Tobit and two-part models, and other selected topics.

821B  Cross Section and Panel Data Econometrics II  
Spring. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Statistics and Probability. Administered by Economics. Analyses of quasi-maximum likelihood estimation, count data models, fractional response models, duration models, sample selection and attrition, stratified sampling, estimating treatment effects, stochastic frontier models, and other advanced topics.

822A  Time Series Econometrics I  

822B  Time Series Econometrics II  
Spring. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Statistics and Probability. Administered by Economics. P: EC 822A Analyses of multivariate time series, time series volatility models, long memory, nonlinear time series models, and other advanced topics.

844  Corporate Financial Strategies  
Fall. 1 to 3 credits. P: MBA 832 or approval of department RB: FI 851 or FI 845 R: Open to MBA students or approval of department. Applying financial strategies to managerial decision making.

845  Financial Modeling and Simulation I  
Fall. 1 to 3 credits. P: MBA 832 or approval of department RB: FI 851 R: Open to masters students in the Finance major and open to MBA students or approval of department. Applications of financial theory through computer modeling. Financial forecasting, cash flow modeling, and valuation.

846  Financial Modeling and Simulation II  
Fall. 1 to 3 credits. P: FI 845 or approval of department RB: FI 851 R: Open to masters students in the Finance major and open to MBA students or approval of department. Application of financial theory using computer modeling. Portfolio optimization, risk measurement, and option pricing.

847  Corporate Strategies and Risk Management  
Fall. 1 to 3 credits. P: FI 844 RB: FI 845 and FI 851 R: Open to masters students in the Finance major and open to MBA students or approval of department. Identifying corporate strategies to help manage business, financing, and competitive risks. Case studies.

850  Introduction to Investments I  
Spring. 1 to 3 credits. P: MBA 832 or approval of department RB: FI 851 R: Open to masters students in the Finance major and open to MBA students or approval of department. Essential financial theories and quantitative tools related to the field of investments. Topics include behavior and distribution of stock returns, mean-variance optimization model of portfolio selection, basic asset pricing theories and market efficiency.

851  Introduction to Investments II  
Spring. 1 to 3 credits. P: FI 850 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department. Investment management, portfolio performance evaluation, active portfolio management, essentials of bonds and derivatives, and essentials of international diversification.

852  Financial Derivatives I  
Spring. 1 to 3 credits. P: FI 851 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department. Introduction to pricing, trading strategies, and hedging applications of forward and futures contracts, swaps, and options.

853  Debt and Money Instruments and Markets  
Fall. 1 to 3 credits. P: MBA 832 and FI 851 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department. Fixed-income security markets. Valuation of traded instruments.

854  Fixed Income Instruments  
Fall. 1 to 3 credits. P: FI 853 or approval of department R: Open to masters students in the Finance major and open to MBA students. Advanced fixed income security models. Valuation of instruments traded using derivative securities pricing.

855  Financial Derivatives II  
Spring. 1 to 3 credits. P: FI 851 and FI 852 or approval of department R: Open to masters students in the Finance major and open to MBA students. Derivatives pricing and applications to corporate securities, structured products, and credit default swaps.

857  Security Analysis and Portfolio Management  
Fall, Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: FI 851 R: Open to masters students in the Finance major and open to MBA students. Approval of department. Fundamental analysis of individual stocks. Discounted cash flow valuation, relative valuation, and special situations. Management of student-run investment fund.

859  Mergers and Acquisitions  
Spring. 1 to 3 credits. P: MBA 832 or FI 801 R: Open to masters students in the Finance major and open to MBA students or approval of department. Provides a broad overview of corporate mergers and acquisitions from the finance perspective.

860  Multinational Corporate Finance  
Fall. 1 to 3 credits. P: MBA 832 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department. Corporate financial management in a multinational setting.

861  International Financial Markets and Risk Management  
Fall. 1 to 3 credits. P: MBA 832 or approval of department R: Open to masters students in the Finance major and open to MBA students. Financial investments and risk management in a multinational setting.

862  Corporate Strategy Valuation  
Spring. 1 to 3 credits. P: MBA 832 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department. Measuring and managing the valuation of corporate strategies.
863 Corporate Restructuring and Governance
Spring. 1 to 3 credits. P: (MBA 832 or FI 801) and FI 859 R: Open to masters students in the Finance major and open to MBA students.
Provides a broad overview of mergers, corporate restructuring, divestitures and bankruptcy from the finance perspective.

865 Corporate Real Options Valuation
Spring. 1 to 3 credits. P: MBA 832 or approval of department R: Open to masters students in the Finance major and open to MBA students.
Application of the real options methodology to analyze practical problems in corporate finance.

869 Entrepreneurial Finance and Venture Capital
Spring. 1 to 3 credits. P: MBA 832 or FI 801 R: Open to masters students in the Finance major and open to MBA students.
Introduction to the financing and valuation of entrepreneurial startups, venture capital and private equity. How to prepare a successful business plan to raise financing from venture capitalists. Structuring venture capital and private equity deals.

870 Venture Capital and Private Equity
Spring. 1 to 3 credits. P: (MBA 832 or FI 801) and FI 869 R: Open to masters students in the Finance major and open to MBA students.

877 Functions and Management of Financial Institutions
Spring. 1 to 3 credits. P: MBA 832 or FI 801 or approval of department R: Open to masters students in the Finance major and open to MBA students or approval of department.
Origin, nature, structure, and management of financial institutions. Products and services offered, risks, and strategies. Applications in domestic and international settings.

878 Commercial Bank Management
Spring. 1 to 3 credits. P: MBA 832 or FI 801 or approval of department R: Open to masters students in the Finance major and open to MBA students.
Origin, nature, structure, and management of commercial banking. Products and services offered, risks, and strategies. Applications in domestic and international settings.

890 Independent Study
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: MBA 832 R: Open to graduate students in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Approval of department.
Faculty-guided research projects.

891 Topics In Finance
Fall of even years. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. P: (FI 801 or MBA 832) or (PIM 841 and PIM 842)
Current and emerging issues in corporate finance, investments, and financial modeling to supplement and enrich existing courses.

980 Theory of Finance
Fall. 3(3-0) R: Open only to doctoral students in the College of Business or approval of department.
Introduction to the financial theory of the firm. Theoretical models dealing with capital structure, cost of capital, dividend policy and leasing.

981 Corporate Finance Theory
Spring of odd years. 3(3-0) RB: FI 980 R: Open only to doctoral students in the College of Business.
Theoretical foundations. Recent empirical research in capital structure, dividend policy, and agency theory.

982 Investment Theory
Spring of even years. 3(3-0) RB: FI 980 R: Open only to doctoral students in the College of Business.
Market efficiency, stochastic processes, option pricing, efficient set mathematics, intertemporal asset pricing and arbitrage pricing theory.

983 Financial Econometrics
Spring. 3(3-0) P: EC 818 and (EC 821 or concurrently) and (EC 822 or concurrently) R: Open only to doctoral students in the College of Business or Economics major.
Econometric techniques of relevance to problems in finance: asset pricing. Interpretation of the results and limitations of recent empirical finance research.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Finance.
Doctoral dissertation research.