FINANCE

Department of Finance
The 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 Marketing and Supply Chain Management. Administered by Marketing and Supply Chain Management. R: Approval of department. 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 Marketing and Supply Chain Management.

311H Financial Management
Fall, Spring. 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 only to juniors or seniors in The Eli Broad College of Business. Not open to students in The School of Hospitality Business. Overview of financial management for business majors. Analysis of financial statements, markets, and assets. Risk and valuation, corporate budgeting and investment decisions. International and ethical implications. Current events applications.

312 Introduction to Investments
Fall, Spring. 3(3-0) P: FI 311 R: Open only to juniors or seniors in The Eli Broad College of Business. Not open to students in the School of Hospitality Business. Theoretical and empirical analyses of securities. Risk and return formation. Security analysis and concepts of market efficiency. Common stocks, bonds, options, futures, and mutual funds.

320 Introduction to Finance
Fall, Spring. 3(3-0) P: Open to students in the James Madison College or in the Apparel and Textile Design 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-Human Resources and Society major or in the Packaging major or in the Park, Recreation and Tourism Resources major or in the Retailing major or in the Technology Systems Management major or in the Interdisciplinary Studies in Social Science-Law and Society major. Not open to students with credit in FI 201 or 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 only to juniors or seniors in the Specialization in Actuarial Science or 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 (D)
Spring, 3(3-0) P: FI 311 R: Open to students in the Actuarial Science Specialization or approval of department. Not open to students with credit in FI 478. C: FI 321 concurrently.

413 Management of Financial Institutions
Fall, Spring, Summer. 3(3-0) P: FI 311 R: Open only to students in the College of Business. Management, decision-making and policy formulation for depository and non-depository financial institutions emphasizing commercial banking. Savings banks, credit unions and non-bank financial institutions including investment banks.

414 Advanced Business Finance (W)
Fall, Spring, Summer. 3(3-0) P: (FI 311 and FI 312) and completion of Tier I writing requirement. R: Open only to juniors in The Eli Broad College of Business. Advanced financial management of business firms. Theoretical analysis and case applications. Capital budgeting, capital structure, valuation, risk management, mergers, and corporate restructuring.

429 Law and Economics
Fall, 3(3-0) Interdepartmental with Economics. Administered by Economics. P: EC 251H or EC 301 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(0-0) P: FI 311 and MGT 352 R: Open to juniors or seniors in The Eli Broad College of Business and The Eli Broad Graduate School of Management. Financing, valuation and sale of entrepreneurial ventures. Business plans, financing sources, financial contracting, real options, staged investments, and exit strategies.

451 International Financial Management
Fall, Summer. 3(3-0) P: FI 311 R: Open only to juniors or seniors in The Eli Broad College of Business. 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. 3(3-0) P: FI 312 and (MSC 317 or STT 422 or STT 442) R: Open only to students in the Finance major.

457 Security Analysis
Fall, Spring. 3(3-0) A student may earn a maximum of 3 credits in all enrollments for this course. P: FI 312 R: Open only to students in the School of Hospitality Business and open to juniors or seniors in The Eli Broad College of Business and The Eli Broad Graduate School of Management. Approval of department. Fundamental analysis of individual stocks. Discounted cash flow valuation, relative valuation, specialized situations. Management of a real-money stock portfolio, the Michigan State University Student Investment Fund.

473 Debt and Money Markets
Fall. 3(3-0) P: FI 311 R: Open only to students in the College of Business. 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 only to juniors or seniors in The Eli Broad College of Business. 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 only to juniors and 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 only to juniors or seniors. Current and emerging issues in finance to supplement and enrich existing courses.
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-term, intermediate- and long-term problems. Financial planning and control. Applications in domestic and international settings.

Managerial Finance for Manufacturing and Innovation
Spring. 2(2-0) R: Open only to students in the Master of Science in Manufacturing and Innovation. Not open to students with credit in FI 801 or FI 862.

Introduction to business finance. Current institutional environment, financial planning, risk and return, capital budgeting, and capital structure, including cost of capital. Basic tools for analyzing and interpreting financial data. Coverage of both for-profit and not-for-profit entities.

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.

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.

Time Series Econometrics I
Fall. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Statistics and Probability. Administered by Economics. P: EC 820B SA: EC 822

Analyses of time series regression, stationary time series analysis, ARMA models, Wold decompositions, spectral analysis, vector autoregressions, generalized method of moments, functional central limit theorem, nonstationary time series, unit root processes, cointegration, and other advanced topics.

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.

Corporate Financial Strategies
Spring. 3(3-0) P: MBA 822 RB: FI 851 or FI 845 R: Open only to MBA students or approval of department. Managerial decision-making applied to key corporate financial strategic policies. Case studies.

Financial Modeling and Simulation
Fall. 3(3-0) P: MBA 822 RB: FI 851 R: Open only to MBA students or approval of department.

Applications of financial theory through computer modeling: cash flow modeling, valuation, portfolio optimization, risk measurement, and option pricing.

Introduction to Investments
Fall, Spring. 3(3-0) P: MBA 822: R: Open only to MBA students or approval of department.

Security risk and return concepts. Portfolio analysis and concepts of market efficiency. Equity investments, bonds, options, futures, and international securities.

Financial Markets and Strategies
Spring. 3(3-0) P: MBA 822 and FI 851: R: Open only to MBA students or approval of department.

Theories of domestic and international financial markets and instruments. Effects of risk and maturity on pricing. Arrangement of business and portfolio risk and returns with options and futures.

Debt and Money Instruments and Markets
Fall. 3(3-0) P: MBA 822 and FI 851: R: Open only to MBA students or approval of department.

Fixed-income security markets. Valuation of instruments traded.

Security Analysis
Fall. Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: MBA 822 and FI 851: R: Open to masters students in the Eli Broad College of Business and The Eli Broad Graduate School of Management. Approval of department.


International Financial Management
Fall. 3(3-0) P: MBA 822: R: Open only to MBA students or approval of department. Cross-border capital budgeting, capital structure, cash management, corporate governance, foreign currency and Eurocurrency markets, and currency risk management.

Advanced Managerial Finance
Spring. 3(3-0) P: MBA 822 R: Open only to MBA students or approval of department.

Financial background and practical application of discounted cash flow (DCF), residual income (RI), and real options analysis (ROA) helpful in valuing companies and making sound managerial decisions intended to create value and increase shareholders' wealth. Development of valuation models.

Corporate Governance and Restructuring
Fall. 3(3-0) P: MBA 822 RB: FI 851 R: Open only to MBA students or approval of department.

Corporate governance and restructuring. Corporate control and governance, mergers and acquisitions, corporate divestitures, financial distress and bankruptcy. International comparisons and real-world cases.

Venture Capital and Private Equity
Spring. 3(3-0) P: MBA 822 or FI 801

Financing of entrepreneurial startups, venture capital, and private equity. Valuations of entrepreneurial startups, structuring venture capital, and private equity deals and partnerships.

Bank Management
Spring. 3(3-0) P: MBA 822: R: Open only to MBA students or approval of department.

Nature, structure, and management of commercial banks. Products and services offered, risks, policies, and strategies. Applications in domestic and international settings.

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 822: R: Open only to graduate students in the Eli Broad College of Business. Approval of department.

Faculty-guided research projects.

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 801 or MBA 822) or (PIM 841 and PIM 842)

Current and emerging issues in corporate finance, investments, and financial modeling to supplement and enrich existing courses.

Theory of Finance
Fall. 3(3-0) R: Open only to doctoral students in the College of Business.

Introduction to the financial theory of the firm. Theoretical models dealing with capital structure, cost of capital, dividend policy and leasing.

Corporate Finance Theory
Spring of odd years. 3(3-0) R: 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.

Investment Theory
Spring of even years. 3(3-0) R: 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.

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.

Finance Workshop
Fall. 3(3-0) R: FI 980 R: Open only to doctoral students in the Finance major.

Critical evaluation of original research papers by faculty and students.

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.