

Finance (FIN)

FIN 119S, 219S, 319S, 419S, 519S, 619S, 719S, 819S, 919S Topics in Finance 1-9 Hours

This course is used to record credit the student earns while enrolled at another institution in a program administered by the University's Study Abroad Office. Credit is recorded as assigned by the study abroad adviser in the Department of Finance. University credit is awarded for work in an exchange program; it may be counted as coursework taken in residence. Transfer credit is awarded for work in an affiliated studies program.

FIN 320F Foundations of Finance 3 Hours

Principles of effective financial management, including planning, organization, and control; financial intermediaries; securities markets; evaluating alternative assets, debt, and capital structures.

FIN 321K Intermediate Microeconomics for Business 3 Hours

Explore microeconomic analysis of consumer theory, producer theory, decision-making under uncertainty, and market equilibrium. Examine game theory, monopoly and oligopoly behavior, and the principal-agent problem. Consider the application of these ideas to decisions made by business leaders in real-world settings.

FIN 322F Foundations of Personal Finance 3 Hours

Explore an overview from the individual and family perspectives of financial planning tools, cash management, consumer credit, and basic tax preparation, insurance selection, investment and retirement planning. Includes application of knowledge to hypothetical situations and case studies.

FIN 129S, 229S, 329S, 429S, 529S, 629S, 729S, 829S, 929S Topics in Finance 1-9 Hours

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FIN 332F Topics in Foundations of Finance 3 Hours

FIN 134M, 234M, 334M Current Issues in Global Sustainability 1-3 Hours

Through discussions and guest speakers, explore the most recent issues in the everchanging landscape of sustainability.

FIN 337P Investment Banking Practicum 3 Hours

Examine investment banking with emphasis on mergers and acquisitions. Work in cross-level, team-based roles that simulate industry structures to develop and present a comprehensive investment banking pitch book for a live client. Discuss company, market, and industry analysis; strategic assessment; valuation and leveraged buyout modeling; and M&A strategy development. Explore collaboration with alumni practitioners and cross-disciplinary partners to integrate industry-specific research into client recommendations.

FIN 337T Special Topics in Finance 3 Hours

FIN 337T.1 Valuing Natural Resources 3 Hours

Apply economic analysis to sedimentary basin analysis to create exploration and development scenarios. Investigate first principles of sedimentation, stratigraphy, and basin formation as the drivers of economic accumulations of petroleum in many different types of environments of deposition and basins globally including conventional and unconventional petroleum resources. Examine mining, minerals, and other exhaustible resources.

FIN 337T.12 Global Business Sustainability 3 Hours

Explore the role of sustainability in the corporate sector. Examine how businesses partner with others for sustainability goals, how to value sustainable business practices, and how to report on corporate sustainability.

FIN 337T.2 Energy Finance 3 Hours

Apply economic and financial analysis to energy projects and firms. Examine discounted cashflow, multiples valuation, NAV analysis, decision and risk analysis, real options, energy economics and risk management.

FIN 337T.4 Electricity Systems and Markets 3 Hours

Analyze energy and power systems in regulated and competitive environments and implications on business decisions for firms in these industries. Examine mechanisms of energy markets; comparative market systems; determination of prices under different market structures; gas, oil, coal, and electricity market architecture; electricity market design; dispatch and new build decisions; smart grid and renewable energy in electricity markets; risk and risk management in energy including demand and price volatility and use of financial derivatives; and the impact of financial market trends and current and proposed policies on the energy industry.

FIN 140S, 240S, 340S, 440S, 540S, 640S, 740S, 840S, 940S Topics in Finance 1-9 Hours

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FIN 357 Business Finance 3 Hours

Principles of finance, with application to all aspects of the business firm; particular attention to cost of capital, investment decisions, management of assets, and procurement of funds.

FIN 357H Business Finance: Honors 3 Hours

An investigation of the principles of finance, with application to all aspects of the business firm; particular attention to cost of capital, investment decisions, management of assets, and procurement of funds.

FIN 164P, 264P, 364P Global Sustainability Practicum 1-3 Hours

Apply concepts and tools learned in other courses to practical projects solving sustainability challenges for companies or nonprofits.

FIN 165P, 365P Energy Finance Practicum 1,3 Hours

Students apply skills in the energy industry and focus on additional project management skills through group projects conducted in a professional setting. Students may work with a private or a public enterprise.

FIN 366P Finance Practicum 3 Hours

Students apply skills in their major area and focus on additional project management skills through group projects conducted in a professional setting. Students may work with a private or a public enterprise.

FIN 367 Investment Management 3 Hours

Investment theory, alternatives, and decision making under differing uncertainties and constraints; formulation of objectives and strategies; development of conceptual managerial perspectives and philosophies for investment environments.

FIN 370 Integrative Finance 3 Hours

Integrates financial decision making in functional areas of finance; utilizes various concepts to promulgate strategies, policies, and procedures in managing funds to achieve objectives.

FIN 370H Integrative Finance: Honors 3 Hours

Integrates financial decision making in functional areas of finance; utilizes various concepts to promulgate strategies, policies, and procedures in managing funds to achieve objectives.

FIN 371M Money and Capital Markets 3 Hours

Development of modern financial markets, with emphasis on the factors that determine interest rates; institutional characteristics and pricing mechanisms of various interest-sensitive securities.

FIN 171T Topics in Finance 1 Hour

FIN 372T Topics in Finance 3 Hours

FIN 372T.1 Sustainable Finance Investing 3 Hours

Assess the actions of investors and corporations with regard to environmental, social, and governance policies, including the potential motivations and resulting consequences.

FIN 372T.10 Economic Principles of Managerial Decisions 3 Hours

Use of economic concepts and models to make strategic business decisions (adverse selection, game theory, price discrimination, strategic commitment, barriers to entry, network effects). Economics of strategic responses to the legal environment (regulations, antitrust policies, intellectual property, fiduciary duty, liability).

FIN 372T.11 Financial Planning for Wealth Management 3 Hours

Introduction to basic concepts of personal wealth management and financial planning, including insurance and risk management, investment management, tax planning, estate planning, and retirement planning. Designed for upper-level finance and accounting majors interested in a career in financial services or students pursuing master in professional accounting with interest in this area of the accounting profession.

FIN 372T.14 Quantitative Investment Management 3 Hours

Examine the economic, statistical, and computing frameworks behind quantitative approaches to evaluating and implementing investment strategies, as well as the empirical evidence on their performance in multiple asset classes. Apply the quantitative big-data approach by developing, pitching, and backtesting an original trading strategy.

FIN 372T.15 Financial Technology 3 Hours

Explore an overview of the most recent technological advances that are changing the financial services industry and how these technological breakthroughs offer new ways for people to save, invest, borrow, and transact. Analyze how new technologies create value in the financial industry, from reducing unit cost, increasing transparency, increasing competition, creating network effects, leveraging economies of scales, and lowering asymmetric information. Examine the competitive landscape and the market opportunities and threats for incumbents and new entrants.

FIN 372T.16 Optimization Method in Finance 3 Hours

Explore quantitative methods and techniques in optimization and simulation, and their use in financial decision making. Discuss theory and application in portfolio selection, options and other derivative pricing, index tracking, risk measures, volatility estimating. Examine linear, quadratic, nonlinear, and integer programming; dynamic programming; robust optimization; Monte Carlo methods and variance reduction techniques. Emphasis will be placed on problem solving with advanced computational programming languages.

FIN 372T.2 Valuation of Energy Investment 3 Hours

Explore the evaluation and financing of energy investments with a focus on upstream oil and gas projects. Develop financial modeling skills from detailed discounted cash flow models to advanced option pricing models using various computational approaches.

FIN 372T.3 Sustainable Finance 3 Hours

Focuses on using a financial economics perspective to understand how sustainability issues are considered by corporate managers, investors, and other participants in financial markets. Examine how environmental, social, governance, strategy and other issues affect manager and investor decisions from financial perspectives, particularly the risk and return aspects, including how to measure sustainability risk exposures. Discuss how these issues are considered from a nonfinancial perspective such as sustainable and responsible investing, ethical investing and impact investing.

FIN 373 Research Topics in Finance 3 Hours

FIN 373.1 Advanced Studies in International Finance 3 Hours

Students work in small research groups to write academic papers on topics in international finance and business. Designed to develop critical thinking skills, writing skills, sophisticated use of technology, and experience working across different cultures.

FIN 374C Valuation 3 Hours

An in-depth study of theory and practice of corporate financial management in establishing major financial and investment policies; techniques for analysis, evaluation, and control.

FIN 374S Entrepreneurial Finance 3 Hours

Development, implementation, and control of financial plans, strategies, and policies by owner-managers of small and medium-sized firms; analysis of alternatives and decision making.

FIN 376 International Finance 3 Hours

Explore the international financial environment, with emphasis on the factors affecting exchange rates and how exchange rate changes affect the firm.

FIN 377 Advanced Topics in Investment Analysis 3 Hours

Second course in investments, with emphasis on quantitative applications and the underlying theory in the analysis and management of securities and portfolios.

FIN 377.1 Portfolio Analysis and Management 3 Hours

Explore quantitative applications and the underlying theory in the analysis and management of securities and portfolios. Designed for students with career goals in investment.

FIN 377.2 Financial Risk Management 3 Hours

FIN 377.3 Security Analysis 3 Hours

FIN 377.4 Financial Analysis 3 Hours

Application of fundamental analysis and valuation techniques.

FIN 377.5 Energy Financial Risk Management 3 Hours

FIN 377.6 Fixed Income Analysis 3 Hours

Explore the role of fixed income securities, and methods of economic and financial analysis relevant to their markets.

FIN 377.7 Security Market Policy 3 Hours

Analyze current developments in financial market innovation and regulation to understand their effects on capital creation, investor welfare, market efficiency, and financial stability. Explore new financial products, securities fraud and misconduct, shadow banking, technological disruptions, market failures, systemic risk, and policy trade-offs in securities markets regulation.

FIN 179C, 379C Independent Research in Finance 1,3 Hours

FIN 281F Financial Technology for Executives 2 Hours

Analyze the effect technology has on the delivery of financial services and products in the areas of lending, clearing and trading.

FIN 184F, 284F, 384F, 484F, 584F, 684F Advanced Corporate Finance and Investment Theory 1-6 Hours
Explore valuation theory, corporate finance theory, asset management, applied valuation and capital markets, and empirical finance. Examine theory, practice, and institutional applications.

FIN 185F, 285F, 385F, 485F, 585F, 685F Analytic Finance and Machine Learning 1-6 Hours
Utilize traditional financial datasets (e.g., financial statements, ratio analysis, credit and fixed income information, stock returns) from a variety of data sources and platforms, including WRDS/Compustat/CRSP, Bloomberg, and Compustat. Explore more advanced techniques designed to yield insights from alternative and unstructured datasets (e.g., text and sentiment analysis of earnings conference calls; SEC filings like 10K's, 10Q's, and 8-Ks; message and discussion boards; marketing/customer feedback; and other big data sources).

FIN 286, 386 Valuation I 2-3 Hours
Study of subjects such as financial modeling, derivatives in corporate finance, business valuation, and value-based management.

FIN 286C Valuation for Executives 2 Hours
Explore debt and equity valuation, financial markets, firms' cost of capital, and capital structure decisions in greater detail.

FIN 290, 390 Topics in Seminar: Money and Capital Markets 2-3 Hours

FIN 290.1, 390.1 Financial Markets and Institutions 2-3 Hours
How financial markets are organized and function. Includes debt equity and foreign exchange markets, primary and secondary market operations, and investment banking.

FIN 290.2, 390.2 Special Topics in Capital Markets and Financial Institutions 2-3 Hours
Study of issues and topics in the capital markets and financial institutions that are not covered in other courses.

FIN 191S, 291S, 391S, 691S Independent Study 1,2,3,6 Hours

FIN 294, 394 Topics in Seminar: Financial Management and Theory 2-3 Hours

FIN 294.1, 394.1 Advanced Corporate Finance 2-3 Hours
Advanced corporate financial management in the global marketplace: valuation concepts, optimal capital structure, risk management, corporate control and restructuring, and mergers and acquisitions.

FIN 294.10, 394.10 New Venture Finance 2-3 Hours
Explore the process to building a new venture from idea to liquidation event from the perspectives of both the founders as well as sophisticated venture investors. Develop a common financial framework to parse financial instruments through which we can demonstrate the salient points of a new venture's value proposition to its stakeholders. Use this framework to scale the model to express managerial controls, confidence, and ultimately the core values such that the founding team could reasonably expect to raise sophisticated capital.

FIN 294.11, 394.11 Private Equity 2-3 Hours
An examination of the application of advanced corporate finance concepts in the private equity markets.

FIN 294.12, 394.12 Energy Development and Corporate Strategies 2-3 Hours
Introduction to the legal, engineering, business, and financial aspects of energy development and operations.

FIN 294.13, 394.13 Valuation of Energy Investments 2-3 Hours
Covers the theory and practice of the evaluation and financing of energy investments with a focus on application to upstream oil and gas projects. Develop financial modeling skills, from detailed discounted cash flow models to advanced option pricing models utilizing a variety of computational approaches.

FIN 294.14, 394.14 Venture Capital Fellows Program 2-3 Hours

FIN 294.15, 394.15 Energy Finance Practicum 2-3 Hours

FIN 294.16, 394.16 Corporate Finance and Financial Markets 2-3 Hours

FIN 294.17, 394.17 Advanced Valuation and Financial Modeling 2-3 Hours
Construction and use of financial models for valuation and decision-making.

FIN 294.18, 394.18 Corporate Finance Fellows I 2-3 Hours

FIN 294.19, 394.19 Economic Principles of Managerial Decisions 2-3 Hours
Study of how economic principles are used to think strategically about business decisions.

FIN 294.2, 394.2 Financial Strategies 2-3 Hours
An integrated analysis of the interaction between the investment and operating policies of a corporation and its financial strategies.

FIN 294.20, 394.20 Corporate Finance Fellows II 2-3 Hours

FIN 294.21, 394.21 Advanced Valuation Techniques for Consulting 2-3 Hours
Examine financial reporting, the application of various valuation techniques (to measure the fair value of intangible assets), contingent consideration, valuation of synergy, the impact of geography on value, and the effect of environmental, social, and governance (ESG) policies on company valuations.

FIN 294.22, 394.22 Introduction to Financial Analytics 2-3 Hours

FIN 294.23, 394.23 Financial Modeling and Testing 2-3 Hours

FIN 294.24, 394.24 Valuation II 2-3 Hours
Discuss financial modeling, derivatives in corporate finance, business valuation, and value-based management.

FIN 294.26, 394.26 Mergers and Acquisitions 2-3 Hours

FIN 294.27, 394.27 Investment Banking Practicum 2-3 Hours
Participate in the investment banking practicum. Develop a team-based pitch book and mergers and acquisitions idea through project and speaker series. Discuss discounted cash flow, comparable, and leveraged buyouts and mergers and acquisitions analyses.

FIN 294.3, 394.3 Global Finance 2-3 Hours

FIN 294.4, 394.4 Financial Management of Small Business 2-3 Hours

FIN 294.5, 394.5 Financial Technology 2-3 Hours
Analyzes the effect technology has on the delivery of financial services and products in the areas of lending, clearing and trading.

FIN 294.6, 394.6 Special Topics in Corporate Finance 2-3 Hours

FIN 294.7, 394.7 Raising Capital 2-3 Hours
An analysis of the decision to raise capital, including sources of debt and equity, financial distress, restructuring, and financing acquisitions.

FIN 294.8, 394.8 Financial Strategies for Energy Firms 2-3 Hours
An integrated analysis of the interaction between the investment and operating policies of a corporation and its financial strategies, with special emphasis on firms in the energy industry.

FIN 294.9, 394.9 Advanced Valuation and Financial Modeling for Energy Firms 2-3 Hours
Construction and use of financial models for valuation and decision-making, with applications to the energy industry.

FIN 194P, 294P, 394P Private Equity for Executives 1-3 Hours
Examine the application of advanced corporate finance concepts in the private equity markets.

FIN 395 Topics in Finance Doctoral Seminar 3 Hours

FIN 395.1 Fundamentals of Financial Theory 3 Hours
An overview of finance theory and empirical evidence.

FIN 395.10 Empirical Methods in Corporate Finance 3 Hours

In-depth study of existing empirical work in corporate finance, including econometric and statistical methods.

FIN 395.11 Economics of Information 3 Hours

Learn about static and dynamic problems with moral hazard and adverse selection using tools from game theory and contract theory.

FIN 395.2 Uncertainty in Economics and Finance 3 Hours

The notions of risk, risk aversion, prudence, arbitrage, and equilibria in economies that include financial markets. The impact of adverse selection and moral hazard problems on the existence and properties of market equilibria.

FIN 395.3 Asset Pricing Theory 3 Hours

Detailed introduction to asset pricing theory, focusing on absence of arbitrage, consumption-portfolio choice, and simple equilibrium models.

FIN 395.4 Empirical Methods in Asset Pricing 3 Hours

In-depth study of existing empirical work in asset pricing, including econometric and statistical methods.

FIN 395.5 Corporate Finance 3 Hours

Analysis of the theory of corporate finance and empirical evidence regarding corporate finance.

FIN 395.6 Current Research Topics in Finance 3 Hours

FIN 395.7 Summer Research Topics 3 Hours

Provides an opportunity for students to develop and conduct original research projects.

FIN 395.8 Special Topics in Finance Theory 3 Hours

FIN 395.9 Applied Finance Research 3 Hours

Provides an opportunity for students to develop and conduct original research.

FIN 297, 397 Topics in Seminar: Investment Theory and Management 2-3 Hours

FIN 297.1, 397.1 Investment Theory and Practice 2-3 Hours

Analysis of the investment decision-making process, asset allocation, security analysis, risk and expected return measurement, asset-pricing models, and international investment.

FIN 297.10, 397.10 Environmental, Social, and Governance Investing 2-3 Hours

A critical assessment of the actions of investors and corporations with regard to environmental, social, and governance policies, including the potential motivations and resulting consequences.

FIN 297.11, 397.11 Quantitative Trading Strategies 2-3 Hours

Examine statistical analyses that can be used in a variety of application areas, including energy trading, and provide a cutting edge perspective on technical trading and valuation.

FIN 297.12, 397.12 Investment Management 2-3 Hours

Explore investment principles, encompassing portfolio management, asset valuation, and performance evaluation. Learn critical financial skills to make investment-related decisions. Analyze equity, fixed-income securities, and derivatives within the global financial landscape using a combination of theory and practice.

FIN 297.13, 397.13 Investments and Energy Finance 2-3 Hours

Focus on energy-related derivatives and different derivative products and how to apply them. Explore energy markets and learn how to measure and manage the financial risks created by volatile energy prices. Examine and evaluate energy finance.

FIN 297.14, 397.14 Sustainable Finance 2-3 Hours

Focus on financial economics perspective to understand sustainability issues considered by managers, investors and participants in financial markets. Learn environmental, social, governance, strategy and other issues that affect manager and investor decisions from financial perspectives, particularly risk return aspects and measure sustainability risk exposures. Discuss how these issues are considered from a nonfinancial perspective such as sustainable and responsible investing, ethical investing and impact investing.

FIN 297.15, 397.15 Artificial Intelligence-Powered Fund Management 2-3 Hours

Learn to use Artificial Intelligence tools to analyze and visualize data, financial statements, portfolios, and trading strategies.

FIN 297.16, 397.16 Titans of Investing 2-3 Hours

Examine wisdom versus technical competence in leadership and decision making using readings from the most influential theorists and practitioners of 20th and 21st century investing, case studies and portfolio sector exercises in an institutional context, based on detailed assessment of global investment risks.

FIN 297.17, 397.17 Behavior, Game Theory, and Team Management 2-3 Hours

Explore how business leaders and managers can optimize the quality of decision-making and the cohesiveness of their organization. Analyze the problems through the lens of game theory, behavioral economics, and behavioral finance and find solutions to address them.

FIN 297.2, 397.2 Portfolio Management and Security Analysis 2-3 Hours

Modern practices in managing investment portfolios, portfolio optimization methods, asset management for individual and institutional investors, and valuation of equity securities.

FIN 297.4, 397.4 Financial Risk Management 2-3 Hours

Studies how firms manage their financial risk exposures and how they use derivative securities.

FIN 297.5, 397.5 Fixed Income Analysis 2-3 Hours

Comprehensive analysis of debt securities and the techniques used to value these instruments.

FIN 297.6, 397.6 Special Topics in Investments 2-3 Hours

Issues and topics in the investment area that are not covered in other courses.

FIN 297.7, 397.7 Derivative Securities 2-3 Hours

Analysis and pricing of derivative securities, including forwards, futures, and options.

FIN 297.8, 397.8 Energy Derivatives 2-3 Hours

Analysis and pricing of derivative securities, including forwards, futures, and options, with emphasis on derivatives related to the energy industry.

FIN 297.9, 397.9 Alternative Investments 2-3 Hours

Overview of alternative investments, including hedge funds, private equity, and real estate.

FIN 297P, 397P Investments Practicum 2-3 Hours

Project-based study with a focus on the application of finance principles to practical investment problems.

FIN 698 Thesis 6 Hours

FIN 398R Master's Report 3 Hours

Preparation of a report to fulfill the requirement for the master's degree under the report option.

FIN 399W, 699W, 999W Dissertation 3,6,9 Hours