## Finance

**FIN 6252** Creating Value through Mergers, Acquisitions and Private Equity (2 semester credit hours) Executive Education Course. Explores strategic financial management of the firm. Considers creation of value using mergers, acquisitions and private capital. Prerequisites: FIN 6301 and instructor consent required. (2-0) Y

**FIN 6253** Valuation, Investment and Financing (2 semester credit hours) Executive Education Course. This course provides students with the opportunity to master corporate valuation concepts, gain required skills in corporate investment analyses and understand relevant issues related to corporate financing. The course is designed as a continuation of financial management and is built heavily around case studies. Prerequisite: FIN 6301. (2-0) Y

**FIN 6300** Personal Finance (3 semester credit hours) Examination of personal financial management issues and planning techniques. Provides a consumer-side view of credit management, budgeting, personal financial statement analysis, insurance planning, retirement planning, investment planning, asset accumulation and distribution planning, tax planning, estate planning and employee benefits planning. May not be used to fulfill requirements for Master of Science in Finance degree. (3-0) Y

**FIN 6301** (SYSM 6312) Financial Management (3 semester credit hours) Develops the basic concepts of finance with particular attention to their application to the financial management of companies. Prerequisites or Corequisites: (ACCT 6301 or ACCT 6305) and OPRE 6301 or program director consent required. (3-0) S

**FIN 6302** Financial Markets, Institutions and Management (3 semester credit hours) Financial Engineering and Risk Management Course. Develops an understanding of financial markets and the role of financial institutions within them. The emphases will be on the issues faced by managers of financial institutions. MS FERM program director consent required. (3-0) Y

**FIN 6306** Quantitative Methods in Finance (3 semester credit hours) The objective of this course is to develop students' ability to use quantitative methods in financial decision-making. Particular attention is paid to the quantitative topics covered in the Chartered Financial Analyst (CFA) and Financial Risk Manager (FRM) exams. Prerequisites or Corequisites: FIN 6301 and (OPRE 6303 or equivalent) or program director consent required. (3-0) S

**FIN 6307** Mathematical Methods for Finance (3 semester credit hours) Financial Engineering and Risk Management Course. This course discusses different mathematical methods used for analyzing financial markets and financial products. Prerequisites or Corequisites: (FIN 6301 or FIN 6302) and (OPRE 6303 or equivalent). (3-0) Y

**FIN 6308** Regulation of Business and Financial Markets (3 semester credit hours) The objective of this course is to develop a student's understanding of the laws and regulations which govern businesses and financial markets. In addition, this course considers the ethical issues that financial analysts and financial planners face. Prerequisite or Corequisite: FIN 6301. (3-0) Y
FIN 6310 Investment Theory and Practice (3 semester credit hours) The course is intended to provide an understanding of the role of modern financial theory in portfolio management and to present a framework for addressing current issues in the management of financial assets. Topics to be covered during the semester include trading, valuation, active portfolio management, asset allocation, global diversification, performance measurement, financial derivatives and fixed income securities. Prerequisite: FIN 6301. (3-0) S

FIN 6311 (ENTP 6311) Valuation Models and Practices (3 semester credit hours) This course examines different models and practices for valuing firms (both public and private), pricing IPOs, and valuing and structuring mergers and acquisitions. Prerequisite: FIN 6301. (3-0) S

FIN 6314 Fixed Income Securities (3 semester credit hours) Examines fixed income securities, their derivatives, and the management of fixed income portfolios. Prerequisite or Corequisite: FIN 6306 or FIN 6307. (3-0) Y

FIN 6315 (ENTP 6315) Entrepreneurial Finance (3 semester credit hours) The objective of this course is to build skills and knowledge in the financing of entrepreneurial ventures. Entrepreneurial Finance concerns not only the process of financing and investing in start-up companies, but also the changes to the initial financing mix that may be required as start-up companies mature and grow. Topics include: valuation, capital structure, forecasting, the markets for venture capital and private equity, the decision to go public or remain private, alternative financing arrangements, and the differential marketability and liquidity of the securities used to finance non-public firms. Credit cannot be received for both courses, ENTP 6315 and FIN 6315. Prerequisite: FIN 6301. (3-0) Y

FIN 6316 (ENTP 6316) Private Equity Finance (3 semester credit hours) This course will cover the investment of capital in the equity of private companies to fund growth or in public companies to take them private. This course includes the study of a broad spectrum of private equity investments, investing in established private firms, buyouts, financial restructuring of distressed firms, and private equity financing by public firms. Prerequisite or Corequisite: FIN 6311 or ENTP 6311. (3-0) Y

FIN 6318 Analytics of Finance (3 semester credit hours) This course focuses on statistical and econometric methods used to analyze financial data in developing investment strategies risk models and valuation. Both theoretical development and empirical application of the methodologies will be explored. Credit cannot be received for both courses, FIN 6318 and MECO 6312 and BUAN 6312. Prerequisite: FIN 6306 or FIN 6307. (3-0) S

FIN 6321 (REAL 6321) Introduction to Real Estate (3 semester credit hours) Overview of various aspects of real estate markets, including marketing, finance, taxation, development, law, appraisal, investment, valuation and real estate participants. (3-0) S

FIN 6322 (REAL 6322) Real Estate Finance and Investment (3 semester credit hours) This course covers commercial real estate investment analysis and instruments used in its finance. Topics include: real estate valuation, loan structures, syndication, securitization, and developments in capital markets affecting real estate developments. Prerequisite: FIN 6301. (3-0) S

FIN 6323 (REAL 6323) Real Estate Market Analysis and Investment (3 semester credit hours) This course provides insight into market analysis and research including local and economic base analysis with case studies on specific commercial investment property types. This course also applies modern technologies to
assist in performing these analyses. Prerequisite or Corequisite: FIN 6321 or REAL 6321 or FIN 6322 or REAL 6322. (3-0) Y

FIN 6324 (REAL 6324) Real Estate Development (3 semester credit hours) An in depth course covering issues faced in the development process including market analysis, government approvals, financing and risk assessment. Prerequisite: FIN 6321 or FIN 6322 or REAL 6321 or REAL 6322. (3-0) R

FIN 6325 Macroeconomics and Financial Markets (3 semester credit hours) This course examines the relationship between macroeconomics and financial markets, and how they influence one another. Prerequisite or Corequisite: FIN 6301 or MECO 6303. (3-0) Y

FIN 6326 (REAL 6326) Real Estate Law and Contracts (3 semester credit hours) Study of the legal principles governing real estate transactions, with an emphasis on promulgated contracts. Topics include contract law, tax law, leases, estates in land, types of ownership, deeds, mortgages, title insurance, agency and homestead. Prerequisite or Corequisite: FIN 6321 or REAL 6321 or FIN 6322 or REAL 6322. (3-0) Y

FIN 6328 (REAL 6328) Real Estate Valuation (3 semester credit hours) This capstone real estate course provides an in-depth study, application and evaluation of the theory and methods of residential and commercial property valuation and appraisal. Topics include the three major approaches to appraising real estate, regression analysis, market analysis, highest and best use analysis and capitalization techniques, with an emphasis on income properties. Several cases and problems are presented and solved. Prerequisite: FIN 6321 or FIN 6322 or REAL 6321 or REAL 6322. (3-0) R

FIN 6330 Behavioral Finance (3 semester credit hours) This course describes how individuals and firms make financial decisions, how those decisions might deviate from those predicted by traditional financial or economic theory and the consequences of these deviations for financial markets. The course examines how the insights of behavioral finance complement the traditional finance paradigm. Students will gain an understanding of how individuals actually make financial decisions (descriptive) and guidance on how to improve financial decision-making (prescriptive) in themselves and others. Prerequisite: FIN 6301. (3-0) T

FIN 6335 Energy Finance (3 semester credit hours) This course focuses on the issues associated with investing in and financing energy projects as well as managing energy risks. Case studies are drawn from the oil, natural gas, electricity and renewables sectors. Prerequisite: FIN 6301. (3-0) R

FIN 6336 (ENGY 6336) Energy Accounting and Taxation (3 semester credit hours) This course explores and discusses the special accounting rules for the energy industries and their special tax treatment. Prerequisite: ACCT 6301 or ACCT 6305. (3-0) T

FIN 6340 Management of Financial Institutions (3 semester credit hours) This course explains the financial management of commercial banks and other financial intermediaries, with special attention to risk management issues. Prerequisite: FIN 6325. (3-0) R

FIN 6341 Energy Risk Management (3 semester credit hours) This course focuses on the special issues associated with energy risk management, from hedging oil price risk to weather risk. Prerequisite: FIN 630 or FIN 6307. (3-0) R

FIN 6342 Insurance and Risk Management (3 semester credit hours) This course discusses the risk management techniques for individuals and enterprises with an emphasis on insurance. Topics include life
insurance, property and casualty insurance, liability insurance, disability insurance, health insurance, employer-based group insurance, long-term care insurance, worker's compensation, and governmental benefit programs. Prerequisite: FIN 6301 or FIN 6302. (3-0) R

**FIN 6350** Advanced Corporate Finance (3 semester credit hours) Advanced analysis of topics in financial management. Capital structure, dividend policy, incentives, and risk management. Prerequisite: FIN 6301. (3-0) S

**FIN 6351** Strategic Financial Management and Valuation II (3 semester credit hours) Executive Education Course. This is a second level finance course stressing the linkages of corporate strategy, financial strategy and market valuation. Different methodologies of valuation will be covered. Department consent required. (3-0) Y

**FIN 6352** Financial Modeling For Corporate Analysis (3 semester credit hours) This course focuses on the financial modeling of companies for valuation, merger and acquisition analysis, and leverage buyout analysis using computer software including spreadsheets. Credit cannot be received for both courses, FIN 6352 and FIN 6353. Prerequisite: FIN 6301. (3-0) Y

**FIN 6353** Financial Modeling for Investment Analysis (3 semester credit hours) This course focuses on financial modeling of investments (stock, bonds, options, etc.) and portfolios of different investments using computer software including spreadsheets. Credit cannot be received for both courses, FIN 6352 and FIN 6353. Prerequisite: FIN 6301. (3-0) Y

**FIN 6355** Corporate Finance and Policy (3 semester credit hours) Cases involving financial situations encountered by managers that require the application of financial management skills. Special emphasis is placed on strategy. Prerequisite or Corequisite: FIN 6350. (3-0) R

**FIN 6356** Mergers and Acquisitions (3 semester credit hours) Examines mergers and acquisitions paying particular attention to how they are structured, valued, and financed. Prerequisite: FIN 6311. (3-0) R

**FIN 6357** Corporate Restructuring and Turnarounds (3 semester credit hours) This course examines the issues and strategies associated with restructuring a corporation to turn it around, either when in distress or in bankruptcy. Prerequisite or Corequisite: FIN 6311. (3-0) R

**FIN 6360** Derivatives Markets (3 semester credit hours) Examines the valuation of derivative securities such as options and futures contracts, as well as the use of these instruments in managing business and financial risks. The topics to be covered include pricing of futures contracts, swaps, and options, the use of derivative instruments in hedging, portfolio insurance, exotic options, and the valuation of options on debt instruments. Prerequisites: (FIN 6301 or FIN 6302) and (FIN 6306 or FIN 6307 or OPRE 6335). (3-0) S

**FIN 6362** Quantitative Financial Management (3 semester credit hours) This course develops techniques for evaluating and managing the risks of various types of business. Prerequisite or Corequisite: FIN 6360. (3-0) Y

**FIN 6364** Portfolio Analysis and Management (3 semester credit hours) This course builds on the basic ideas underlying portfolio optimization covered in FIN 6301 and FIN 6310. It emphasizes the application of modern portfolio theory using quantitative methods. At the completion of this course, students will be able to analyze market data using the latest investment management tools, to formulate theoretical models,
and to implement appropriate investment strategies. Prerequisite: **FIN 6310**. (3-0) T

**FIN 6366** International Financial Management (3 semester credit hours) Study of world financial markets and institutions, foreign exchange exposure and management, foreign direct investment, and a variety of issues involved in the financial management of multinational firms. Credit cannot be received for both courses, **FIN 6366** and **IMS 6320**. Prerequisite: **FIN 6301**. (3-0) T

**FIN 6368** Financial Information and Analysis (3 semester credit hours) This course examines the different sources of financial data, their management and their use in investment analysis, trading and in solving financial problems. Prerequisites: (**FIN 6301** or **FIN 6302**) and (**FIN 6306** or **FIN 6307** or **OPRE 6332**). (3-0) T

**FIN 6370** Advanced Theory of Finance and Its Applications (3 semester credit hours) A survey of financial theories and their application to various financial decisions and issues. Topics will include the theory of portfolio choices, asset pricing, derivative pricing, asymmetric information theories, and firm financing issues. Prerequisites: (**FIN 6310** or **FIN 6350**) and department consent required. (3-0) Y

**FIN 6380** Global Fund Management (3 semester credit hours) This course explains the practice of managing a fund of global investments. May be repeated for credit (6 semester credit hours maximum). Prerequisites: (**FIN 6310** or **FIN 6350**) and instructor consent required. (3-0) S

**FIN 6381** Introductory Mathematical Finance (3 semester credit hours) Introduction to the mathematical methods of continuous time finance (Ito calculus, stochastic dynamic optimization, etc.). Prerequisite: **OPRE 7310** or department consent required. (3-0) T

**FIN 6382** Numerical and Statistical Methods in Finance (3 semester credit hours) This course explains the use of numerical and statistical methods in various financial applications. Prerequisite: **FIN 6306** or **FIN 6307**. (3-0) R

**FIN 6383** Financial Risk Management (3 semester credit hours) Study of financial risk management and its applications. Prerequisite: **FIN 6360** or **FIN 6381**. (3-0) R

**FIN 6385** Enterprise Risk Management (3 semester credit hours) The course explains the enterprise risk management in all of its various dimensions and how it is used to increase firm value. Prerequisite: **FIN 6360** or **FIN 6381**. (3-0) R

**FIN 6391 (ACCT 6391)** Risk Accounting (3 semester credit hours) This course develops a framework for explaining the nature, uses, and financial reporting of derivatives. The course introduces the measurement of operational and financial risks and valuation of financial derivatives. Further analysis of the conceptual framework will be performed based on the extensive use of cases to allow students to create their own accounting interpretation of the hedging strategy. Prerequisites: (**ACCT 3331** and **ACCT 3332**) or (**ACCT 6330** and **ACCT 6332**). (3-0) Y

**FIN 6392** Financial Technology and Data Analytics (3 semester credit hours) This course focuses on recent developments in financial technology and their application to valuation and investing. Prerequisites: (**FIN 6301** or **FIN 6302**) and (**FIN 6306** or **FIN 6307** or **OPRE 6332**) (3-0) R

**FIN 6V98** Finance Internship (1-3 semester credit hours) Student gains experience and improves skills through appropriate developmental work assignments in a real business environment. Student must identify and submit specific business learning objectives at the beginning of the semester. The student
must demonstrate exposure to the managerial perspective via involvement or observation. At semester end, student prepares an assignment reflecting on the work experience. Student performance is evaluated by the work supervisor. Pass/Fail only. May be repeated for credit as topics vary (3 semester credit hours maximum). Prerequisite: (MAS 6102 or MBA major) and JSOM Internship Coordinator consent required. ([1-3]-0) S

**FIN 6V99** Special Topics in Finance (1-6 semester credit hours) May be lecture, readings, or individualized study. May be repeated for credit as topics vary (6 semester credit hours maximum). Instructor consent required. ([1-6]-0) S

**FIN 7330** Topics in Theoretical Asset Pricing (3 semester credit hours) Advanced studies in the theory of asset pricing. Provides a foundation for advanced research in financial theory and empirical tests of asset pricing models. Topics include utility theory, mean-variance portfolio analysis, state preference models, continuous time portfolio selection, and the term structure of interest rates. May be repeated for credit as topics vary (6 semester credit hours maximum). Prerequisites: (MECO 6345 or equivalent) and department consent required. (3-0) T

**FIN 7335** Topics in Empirical Asset Pricing (3 semester credit hours) Study of the methods used to empirically test asset pricing theories and/or models. May be repeated for credit as topics vary (6 semester credit hours maximum). Prerequisites or Corequisites: **FIN 7330** or department consent required. (3-0) T

**FIN 7340** Topics in Theoretical Corporate Finance (3 semester credit hours) Empirical and theoretical analysis of corporate financial decision-making. Topics include the theory of the firm, initial public offerings, ownership and control, managerial incentives, risk management, and financing and investment decisions. May be repeated for credit as topics vary (6 semester credit hours maximum). Prerequisites: (MECO 6345 or equivalent) and department consent required. (3-0) T

**FIN 7345** Topics in Empirical Corporate Finance (3 semester credit hours) Study of the methods used to empirically test corporate finance theories and/or models. May be repeated for credit as topics vary (6 semester credit hours maximum). Prerequisite or Corequisite: **FIN 7340** or department consent required. (3-0) T

**FIN 7375** Finance Workshop (3 semester credit hours) Forum for faculty and students to present recent developments in the finance literature. Presentation and discussion of published and unpublished papers of researchers with various affiliations. May be repeated for credit as topics vary (15 semester credit hours maximum). Department consent required. (3-0) T