

# COURSES FOR ECONOMICS, FINANCE AND LEGAL STUDIES

## Economics Courses

### EC110 Principles of Microeconomics

SB

Hours 3

Introduction to microeconomic analysis concentrating on consumer and producer behavior, competitive and imperfect markets, public policy and regulation, and income distribution.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; or UA Math Placement of 310 or higher, ACT Math subscore of 24 or higher, (New) SAT Math subscore of 580 or higher, (Old) SAT Math subscore of 560 or higher.

Social and Behavioral Sciences

### EC111 Principles of Macroeconomics

SB

Hours 3

Introduction to macroeconomic analysis concentrating on national income, price levels, employment, monetary and fiscal policies, and international trade and development. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

Social and Behavioral Sciences

### EC112 Honors Principles of Microeconomics

SB, UH

Hours 3

This course covers the same material as EC 110 but in a depth appropriate for honors students. It is an introduction to microeconomic analysis concentrating on consumer behavior, producer behavior, and market structure. All topics will be explored in more detail than EC 110, using math and graphic tools, additional readings and creative discussion sessions. Students are limited to three attempts for this course, excluding withdrawals. Students cannot receive credit for both EC 110 and EC 112.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; or UA Math Placement of 310 or higher, ACT Math subscore of 24 or higher, (New) SAT Math subscore of 580 or higher, (Old) SAT Math subscore of 560 or higher.

Social and Behavioral Sciences, University Honors

### EC113 Honors Principles of Macroeconomics

SB, UH

Hours 3

This course covers the same material as EC 111 but in a depth appropriate for honors students. Topics include national income, price levels, employment, monetary and fiscal policies, and international trade and development. All topics will be explored in more detail, using math and graphic tools, additional readings and creative discussion sessions. Students cannot receive credit for both EC 111 and EC 113. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

Social and Behavioral Sciences, University Honors

### EC308 Intermediate Microeconomics

Hours 3

Examination of the theory of price and the theory of resource allocation. Topics include demand theory, production and cost functions, pricing and output under competitive and noncompetitive conditions, resource markets, and rudiments of general equilibrium analysis. Students cannot receive credit for both EC 308 and EC 310.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

### EC309 Intermediate Macroeconomics

Hours 3

A study of the theoretical framework underlying income, employment, and growth analysis. Students cannot receive credit for both EC 309 and EC 311.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

### EC310 Honors Intermediate Microeconomics

UH

Hours 3

This course covers the same material as EC 308 but in a depth appropriate for honors students. It focuses on how economic agents make optimal decisions given scarce resources and technological constraints. Topics include consumer behavior, producer behavior, and market structure. Students cannot receive credit for both EC 308 and EC 310.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (LGS 200 or 201) and (AC 210 or AC 211) and ST 260 and MIS 200

University Honors

### **EC311 Honors Intermediate Macroeconomics**

UH

Hours 3

This course covers the same material as EC 309, which is a study of the theoretical framework underlying income, employment, and growth analysis, but in a depth appropriate for honors students. Students cannot receive credit for both EC 309 and EC 311.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (LGS 200 or 201) and (AC 210 or AC 211) and ST 260 and MIS 200

University Honors

### **EC400 Analysis of Economic Conditions at the Micro & Macro Levels**

Hours 3

Not open to majors in economics and finance. Uses basic economic theory to assess real-world business and economic conditions at the micro and macro levels. This course may not count toward the Economics major, but may count toward the Economics minor or specialization.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200; and FI 302

### **EC410 Law And Economics**

W

Hours 3

This course will use the tools of economic analysis to analyze public policy issues and to explore the intersections between the law and economics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EC 308 or EC 310

Writing

### **EC412 Industrial Organization**

Hours 3

Study of the various types of industry structure, conduct, and performance; business strategies; and policy alternatives. Emphasizes case studies from the major types of industry.

Prerequisite(s): EC 308 or EC 310

### **EC413 Economic Forecasting & Analysis**

C

Hours 3

Survey of the analytical techniques used by economists to forecast the macro and micro levels of economic activity and the effects of public policy on the economy. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (EC 308 or EC 310) and (EC 309 or EC 311)

Computer Science

### **EC414 Behavioral Economics**

Hours 3

This course will introduce you to the field of behavioral economics – the economic study of human behavior in individual choices, social interactions, and markets motivated by the goal to improve the descriptive accuracy and explanatory power of traditional economic analysis. Students will explore behavioral economics from the perspective of different methodologies, focusing on fundamental concepts and their applications at different levels of social aggregation (e.g., individuals, groups, and markets).

Prerequisite(s): EC 308 or EC 310

### **EC415 Sports Economics**

Hours 3

Course focuses on the application of economic theories to sports and the sports industry and understanding the behavior of economic agents in sports. Students who complete the course will gain insight into economics, understand how to apply economic models to explain observed behavior in sport, and appreciate empirical economic evidence generated from sports-related data.

Prerequisite(s): EC 308 or EC 310

### **EC416 Monetary Theory & Policy**

Hours 3

Analysis of the role of money in the economy and the conduct of monetary policy. Emphasis is given to the money supply process, the demand for money, and the choice of monetary-policy strategies and procedures.

Prerequisite(s): EC308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

### **EC422 Urban Economics**

Hours 3

Analysis of the economics of community growth and the application of economic principles in solving problems and exploiting opportunities generated by the process of urban development.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better)

### **EC423 Public Finance**

Hours 3

Study of the principles of taxation, government expenditures, borrowing, and fiscal administration.

Prerequisite(s): EC 308 or EC 310

### **EC430 International Trade**

Hours 3

Analysis of theoretical principles underlying international trade, with application of these principles to recent developments and to current national policies.

Prerequisite(s): EC 308 or EC 310

**EC431 International Finance**

Hours 3

Introduction to the field of international finance. Course deals primarily with international financial markets and the macroeconomics of international financial flows. Topics include foreign exchange and international securities markets and international banking.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

**EC432 Development Economics**

Hours 3

The course introduces students to the field of development economics. The course covers economic theory and empirical research about contemporary development efforts.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better)

**EC460 Labor Economics**

Hours 3

This course provides an overview of labor economics. Topics covered include labor supply, labor demand, human capital, minimum wages, immigration, and discrimination.

Prerequisite(s): EC 308 or EC 310

**EC470 Introduction to Mathematical Economics**

Hours 3

Application of selected mathematical methods to the analysis of economic problems.

Prerequisite(s): EC 308 or EC 310

**EC471 Econometrics**

Hours 3

This course emphasizes statistical methods for analyzing data used by social scientists. Topics include simple and multiple regression analyses and the various methods of detecting and correcting data problems such as autocorrelation and heteroscedasticity.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

**EC472 Financial Econometrics**

Hours 3

In this course, we focus on the empirical techniques mostly used in the analysis of financial markets and how they are applied to actual data. We will begin with calculations and stylized facts of financial asset prices and returns. We next introduce statistical and econometric models to capture or reproduce these data features, mainly relying on time series models, estimations and tests. The first application is to apply these techniques to solve the practical financial issue of portfolio optimization. And then, we continue to time-varying asset returns to search for predictors of financial asset returns using CAPM model. To estimate the financial markets/assets fluctuations and the portfolio uncertainty, we start to learn conditional volatility models, including ARCH, GARCH, etc. Finally, from the perspective of risk management, we introduce the tools to estimate market risk of financial assets.

Prerequisite(s): EC 110 and EC 111; and EC 471 (Grade of C- or better) or EC 413 (Grade of C- or better)

**EC473 Games and Decisions**

Hours 3

An introduction to game theory with emphasis on application. Game theory is a toolbox for analyzing situations where decision makers influence one another.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

**EC474 Experimental Economics**

Hours 3

This course introduces students to the field of experimental economics. The course covers methodological issues with designing and conducting experiments and interpreting the results.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

**EC480 Economics of the Environment and Natural Resources**

Hours 3

Survey of the techniques used to estimate benefits of environmental improvements, and an analysis of public policy relating to the environment and use of natural resources.

Prerequisite(s): EC 308 or EC 310

**EC483 Health Care Economics**

Hours 3

An investigation of the microeconomics of the American health care delivery system. The course focuses on the demand for and supply of health care services and emphasizes the efficiency and equity characteristics of the system.

Prerequisite(s): EC 308 or EC 310

**EC491 Independent Study**

SP

Hours 1-6

Students can apply a maximum of 6 credits of EC 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Special Topics Course

**EC492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of EC 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

### **EC497 Special Topics in Economics**

SP

Hours 1-3

Students can apply a maximum of 9 credits of EC 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Special Topics Course

## **Finance Courses**

### **FI301 Introduction to Financial Institutions and Markets**

Hours 3

Overview of the financial systems in which business operates, with emphasis on financial institutions, instruments, and markets.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

### **FI302 Business Finance**

Hours 3

Study of financial objectives of business enterprise, sources of capital, and financial management of business assets. Emphasis is on establishing a framework for making financing, investing, and dividend decisions. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (AC 210 or AC 211) and (EC 111 or EC 113)

### **FI317 Introduction to Value Investing**

Hours 3

Introduction to fundamental principles of saving and of equity investing with a value-based approach, informing an in-depth study of the idea generation, business/industry analysis and financial statement analysis phases of the equity investment process. This course will provide students with a useful understanding of what a professional in any field requiring business-related research, analysis, and valuation skills does on a daily basis to analyze corporate strategies, understand industry dynamics, assess competitive advantages, and evaluate corporate management and strategy. Students will also be introduced to common methods to value securities.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and MIS 200 and ST 260 and FI 302

### **FI331 Principles of Real Estate**

Hours 3

Survey of various aspects of real estate business and economics, including marketing, finance, development, law, appraising, etc.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

### **FI360 Personal Asset Management**

Hours 3

To teach students about financial assets as vehicles for saving for the future. Students will also learn how to invest in a combination of assets to meet their objectives and how their objectives may change over their life span.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Prerequisite(s) with concurrency: FI 302

### **FI389 Financial Analysis and Modeling**

C

Hours 3

Introduction to the components of computerized management information systems and applications of computer-based systems to business decisions. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and (FI 302 or CE 366) and MIS 200

Computer Science

### **FI400 Financial Institutions, Markets, and Investment**

Hours 3

Builds on the foundation laid in the business core to extend the student's knowledge of basic finance into the areas of operation and management of financial institutions and financial markets and investments.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200; and FI 302

### **FI410 Intermediate Financial Mgt**

Hours 3

Development of advanced practices of financial management and their application to decision making in the business firm.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200; and (FI 302 or CE 366)

### **FI412 Money & Capital Markets**

Hours 3

An overall view of the financing process and the role of financial markets. Areas covered are characteristics of instruments traded in money and capital markets; determinants of and the relationships between different asset prices; and international aspects of financial markets.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200; and (FI 302 or CE 366)

**FI414 Investments**

Hours 3

Study of the various investment media together with analysis models of investment management. Emphasis is on investment decision making and portfolio analysis.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200; and (FI 302 or CE 366)

**FI415 Advanced Investment Topics**

Hours 3

Advanced models for investment management are developed and their application in decision making is discussed. Emphasis is on the use of models for portfolio selection.

Prerequisite(s): FI 414 (Grade of C- or better)

**FI416 Monetary Theory & Policy**

Hours 3

Analysis of the role of money in the economy and the conduct of monetary policy. Emphasis is given to the money supply process, the demand for money, and the choice of monetary-policy strategies and procedures.

Prerequisite(s): FI 301

**FI419 Financial Derivatives**

Hours 3

Addresses managing financial risks such as adverse stock price movements, adverse interest rate changes and adverse commodity price changes with specific attention given to employing futures, options and swap contracts.

Prerequisite(s): FI 302 and FI 414

Prerequisite(s) with concurrency: FI 302 and FI 414

**FI421 Bank Administration**

Hours 3

Survey of analytical methods in banking, including study of the powers of various government agencies. Emphasis is placed on managerial aspects of commercial banking.

Prerequisite(s): FI 301 and FI 302 or IE 203 or CE 366

**FI422 Value Investing: Principles and Practice**

Hours 3

This course continues to develop the practical skills involved in fundamental equity investing, particularly with respect to proprietary research, business-model and competitive analysis, financial analysis, financial modeling and valuation. Students will also examine key findings and practical implications of behavioral finance (the study of the psychology of financial decision-making) and gain valuable experience in preparing and making investment-case presentations.

Prerequisite(s): FI 317 or FI 417

**FI423 Advanced Value Investing**

Hours 3

Informed by the participation of professional investors, students will further hone their equity research, analysis, valuation, and presentation skills through in-depth, real-time case studies of companies and situations that can present investment opportunities, such as neglected stocks, turnarounds, "compounders" and cyclical. Students will also learn fundamental principles of equity-portfolio construction and management, including position sizing, portfolio diversification and managing risks.

Prerequisite(s): FI 418 or FI 422

**FI427 Probability for Actuaries**

Hours 3

The purpose is to assist students in preparation probability exams by actuarial associations. Concepts are reviewed with an emphasis on working problems.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Prerequisite(s) with concurrency: ST 454 (Grade of C- or better) or MATH 355 (Grade of C- or better)

**FI428 Theory of Interest**

Hours 3

The purpose is to assist students in preparation for financial mathematics exams by actuarial associations. Concepts are reviewed with an emphasis on working problems.

Prerequisite(s): (MATH 126 or MATH 146) and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Prerequisite(s) with concurrency: MATH 227 (Grade of C- or better)

**FI431 International Finance**

Hours 3

Introduction to the field of international finance. Course deals primarily with international financial markets and the macroeconomics of international financial flows. Topics include foreign exchange and international securities markets and international banking.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

**FI432 Real Estate Appraisal**

Hours 3

Study of the sources of real estate value and techniques for estimating property value; study of effective use of appraisal information.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and MIS 200 and ST 260

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better)



#### **FI434 Real Estate Management**

Hours 3

Study to the principles of real property management and covers all aspects of the property management process. Students are shown how to maximize the asset value of income-producing real estate for investors/owners through the use of finance, marketing, and management techniques.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better)

#### **FI435 Fundamentals of Risk Management & Insurance**

Hours 3

Introductory study of life insurance and "personal lines" of property insurance, especially homeowners insurance and auto insurance. Economic environment of insurance and how to read and evaluate insurance contracts. Examines different types of life insurance contracts as well as savings and investment alternatives and their uses in estate planning.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

#### **FI436 Real Estate Finance and Investments**

Hours 3

Study of the institutions of real estate finance and of factors affecting the flow of funds; investment analysis and procedures involved in real estate financing.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better) or FI 341 (Grade of C- or better)

#### **FI440 Life Contingencies I**

Hours 3

This is the first of a two-course sequence intended to prepare students for the Long-Term Actuarial Mathematics (LTAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): MATH 355 or ST 454 and FI 427 and FI 428

#### **FI441 Life Contingencies II**

Hours 3

This is the second of a two-course sequence intended to prepare students for the Long-Term Actuarial Mathematics (LTAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): FI 440

#### **FI442 Enterprise Risk Management**

Hours 3

Analysis of risks facing business and governmental entities. Various methods of both controlling the risks and financing the risks, including both insurance and non-insurance alternatives.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and (FI 341 or FI 435) [Grade of C- or better]) and FI 302

#### **FI443 Insurance Operations**

Hours 3

Current financial, legal, and social problems concerning the property-liability insurance industry. Role of government in providing insurance and topics in the management of property-liability insurance companies and agencies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and (FI 341 or FI 435) [Grade of C- or better]) and FI 302

#### **FI444 Life & Health Insurance**

Hours 3

A study of the types of life insurance and annuity contracts and their uses; regulations of life and health insurers; Social Security; group and individual health insurance products including major medical, disability income and long-term care policies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and (FI 341 or FI 435) [Grade of C- or better]) and FI 302 or CE 366

#### **FI445 Commercial Insurance**

Hours 3

This course provides an in-depth analysis of major lines of insurance and associated contracts. Students learn coverage specifics and apply this knowledge to numerous risk scenarios.

Prerequisite(s): FI 435

#### **FI446 Employee Benefits & Retirement Planning**

Hours 3

Employee benefits refers to compensation other than hourly wage, salary, or incentive plans. This course examines the most common types of employee benefit practices and fundamental design considerations. Students also examine individual retirement planning objectives and mechanics.

Prerequisite(s) with concurrency: FI 435

#### **FI450 Loss Models I**

Hours 3

This is the first of a two-course sequence intended to prepare students for the Short-Term Actuarial Mathematics (STAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): MATH 355 or ST 454 and FI 427

Prerequisite(s) with concurrency: MATH 451 or ST 455

#### **FI451 Loss Models II**

Hours 3

This is the second of a two-course sequence intended to prepare students for the Short-Term Actuarial Mathematics (STAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): FI 450

**FI460 Advanced Financial Planning**

Hours 3

The purpose of this course is to require the student to demonstrate the ability to integrate and apply his or her knowledge of financial planning topics as received through the curricula taught in the Wealth Management Concentration. Through this course, you will apply the financial planning process to real-life situations and to communicate your planning recommendations via both a written plan and an oral presentation.

Prerequisite(s): AC 371, (FI 341 or FI 435 [Grade of C- or better]), FI 360 (Grade of C- or better) and LGS 403

Prerequisite(s) with concurrency: FI 414 and FI 444

**FI472 Financial Econometrics**

Hours 3

In this course, we focus on the empirical techniques mostly used in the analysis of financial markets and how they are applied to actual data. We will begin with calculations and stylized facts of financial asset prices and returns. We next introduce statistical and econometric models to capture or reproduce these data features, mainly relying on time series models, estimations and tests. The first application is to apply these techniques to solve the practical financial issue of portfolio optimization. And then, we continue to time-varying asset returns to search for predictors of financial asset returns using CAPM model. To estimate the financial markets/assets fluctuations and the portfolio uncertainty, we start to learn conditional volatility models, including ARCH, GARCH, etc. Finally, from the perspective of risk management, we introduce the tools to estimate market risk of financial assets.

Prerequisite(s): EC 110 and EC 111, and EC 471 (Grade of C- or better) or EC 413 (Grade of C- or better)

**FI491 Independent Study**

SP

Hours 1-6

Individually directed research and reading - Students can apply a maximum of 6 credits of FI 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Special Topics Course

**FI492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of FI 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

**FI497 Special Topics In Finance**

SP

Hours 1-3

Topics may vary - Students can apply a maximum of 9 credits of FI 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

Special Topics Course

**Legal Studies Courses****LGS200 Legal Environment of Business**

Hours 3

Environmental approach to the study of law, including the way the law interrelates, philosophy of law, and sources of law. The relationship among law, business, political influences, and the society is treated. Students are limited to three attempts for this course, excluding withdrawals.

**LGS201 Honors Legal Environment of Business**

UH

Hours 3

This course covers the same material as LGS 200, which studies environmental approach to the study of law, but in a depth appropriate for honors students. Topics include the way the law interrelates, philosophy of law, and sources of law. The relationship among law, business, political influences, and the society is treated. Students are limited to three attempts for this course, excluding withdrawals.

University Honors

**LGS403 Estates & Trusts**

Hours 3

This course treats principles and rules of law relating to wills and inheritances; how the estates of deceased persons are administered; why and how trusts are created and operated; and the duties and settlement of executors, administrators, and trustees.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200

**LGS407 Real & Personal Property**

Hours 3

This course is concerned with the conveyance of property, deeds, covenants, condemnation of property, rights of landlord and tenant, and bailments.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MIS 200