

DEPARTMENT OF FINANCE

Department Chair: Michael Gallagher, Ph.D.

Faculty

K. Amira, Ph.D.
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 D. Wilson, Ph.D.

- Finance, BBA (<https://catalog.sbu.edu/undergraduate/business/finance/finance-bba/>)
- Economics, BBA (<https://catalog.sbu.edu/undergraduate/business/finance/economics-bba/>)
- Economics, BS (<https://catalog.sbu.edu/undergraduate/business/finance/economics-bs/>)

Economics (ECO)

ECO-ELEC ECONOMICS ELECTIVE (3 Credits)

ECO-101 MICROECONOMIC PRINCIPLES (3 Credits)

An introductory investigation of economics as it relates to individual economic units (e.g., the firm). Emphasis is placed on price theory within the context of various market structures.

ECO-101H MICROECONOMIC PRINCIP.(HONORS) (3 Credits)

Restrictions: RG.HON

ECO-102 MACROECONOMIC PRINCIPLES (3 Credits)

An introductory investigation of economics as it relates to aggregate economies (e.g. a nation). Emphasis is placed on the determination of national income and the composition and pricing of national output.

ECO-102H MACROECONOMIC PRINCIP.(HONORS) (3 Credits)

Restrictions: RG.HON

ECO-308 ENVIRONMENTAL ECONOMICS (3 Credits)

Studies the efficient use of society's scarce environmental resources. Environmental economics is a course in applied welfare economics with an emphasis on market failures (externalities and common access resources), and solutions to market failures, along with the economic valuation of environmental amenities such as clean air and water.

Prerequisite(s): Take ECO-101

ECO-309 ECONOMICS OF HEALTH (3 Credits)

A course that covers the measurement and determinants of health, the examination of healthcare markets, and the economics of health insurance.

Prerequisite(s): Take ECO-101

ECO-311 LABOR ECONOMICS (3 Credits)

This course develops labor supply, demand, and equilibrium before describing several potential changes to the labor market, including the minimum wage, discrimination, and contracts. We conclude with a discussion of choice in the labor market, including occupational choice, human capital formation, and labor mobility.

ECO-313 INTERMEDIATE MICROECONOMICS (3 Credits)

This course develops the economic theory of the firm and consumer choice. The former includes analyses of market structures, output and input pricing decisions, cost minimization, and profit maximization. The latter characterizes consumer's optimal decisions given their incomes, preferences and the relative prices of various goods. The course develops tools for analyzing how these optimal choices change when relative prices and consumer incomes change. Also, the course presents several measures on consumer welfare. Other topics may include general equilibrium analysis, market failure, public economics, public choice, decision making under uncertainty, and game theory applications. The course relies on calculus when presenting and developing the various economic models.

Prerequisite(s): Take ECO-101 and MATH-122 or MATH-151

ECO-314 INTERMEDIATE MACROECONOMICS (3 Credits)

An advanced look at Macroeconomics as it relates to households, firms, the government, and the Federal Reserve. Analytical, graphical and mathematical solutions to economic problems will be explored. Topics include GDP, unemployment, inflation, money, growth theory, and international trade and finance.

Prerequisite(s): ECO 101 and 102 and (MATH 122 or MATH 151)

ECO-330 LAW AND ECONOMICS (3 Credits)

A course that applies economics legal analysis to legal institutions, including contract and tort law, economic efficiency of common law, public choice theory, and the problem of externality.

Corequisite(s): Take BLX-210

ECO-490 ECONOMICS SEMINAR (3 Credits)

A course that will concentrate on the major ideas and theories in contemporary economics with particular mathematical expressions of economic ideas.

Corequisite(s): TAKE ECO-313, ECO-314, MATH-122, FIN-312

ECO-498D MACHINE LEARNING & ECONOMIC FORECASTING (3 Credits)

Research in selected topics in economics under the supervision of a faculty member, designed to allow the student to probe specific interests that lie beyond the coverage normally found in regular course offerings.

ECO-498G STUDENT INVOLVEMENT IN VOLUNTEER & SOCIAL ACTIVITIES (3 Credits)

Research in selected topics in economics under the supervision of a faculty member, designed to allow the student to probe specific interests that lie beyond the coverage normally found in regular course offerings.

ECO-499EE SP TOP.EUROPEAN ECONOMICS EXPERIENCE (3 Credits)

A well-defined course of study in specific topics in economics that goes beyond the regular course offerings.

ECO-499EG SP TOP.ECONOMICS OF GREEN ENERGY (1-3 Credits)

A well-defined course of study in specific topics in economics that goes beyond the regular course offerings.

ECO-499EH SP TOP.ECONOMICS OF HEALTH (1-3 Credits)

A well-defined course of study in specific topics in economics that goes beyond the regular course offerings.

ECO-499LE SP TOP.LABOR ECONOMICS (3 Credits)

A well-defined course of study in specific topics in economics that goes beyond the regular course offerings.

Finance (FIN)

FIN-210 MONEY MANAGEMENT SEMINAR (1 Credit)

This is an entry level course listing that allows students to learn about finance and money management and get course credit for actively participating in the SIMM program at levels that are less rigorous than the FIN 410/FIN 420 expectations. This course allows you to vote on investment decisions and make stock pitches without the managerial responsibilities that come with the upper level classes. Students can become Jr. Level analysts while learning at a slower pace while still having the structure of a class. 1.0 credits. This course may be taken up to six times. Students with a major in Finance may not have the credit count towards the elective requirement for the major.

FIN-301 CORPORATION FINANCE (3 Credits)

An in-depth analysis of the financial structure and problems of the corporation. Topics treated include valuation and risk, capital structure, the capital-budgeting decision, long-term financing decisions, working capital policy and financial analysis.

Prerequisite(s): Take ECO-101, ACCT-201 and QMX-211 or MATH-107

FIN-312 ECONOMETRICS FOR FINANCE (3 Credits)

This course will develop both the theory and practice of econometrics at a level that will allow students to be knowledgeable producers and users of empirical research in finance. Among the topics covered are multiple regression and correlation, dummy variables, simultaneous equation models and the study of the methods utilized when the classical assumptions are violated.

Prerequisite(s): Take MATH-122 and QMX-212

FIN-321 MONEY AND BANKING (3 Credits)

A study of the theory and practices of the monetary and banking systems of the United States and their influence on economic activity.

Prerequisite(s): Take ECO-101 & ECO-102

FIN-322 FINANCIAL INST. & MARKETS (3 Credits)

A detailed examination of the major aspects of the United States money and capital markets. A survey of the operations and functions of private financial institutions and their effect on aggregate economic activity.

Prerequisite(s): Take FIN-321

FIN-333 THE ECON & FIN OF SPORTS (3 Credits)

This course is designed for two purposes: to use sports to deepen our understanding of economics and financial markets and to use economics and financial markets to deepen our understanding of sports. There is a vast array of topics that we will cover including attendance modeling, salary structure, salary caps, financing of stadiums, tournament structure, competitive balance, doping in sports, gambling markets, etc. Key economic principles covered include supply and demand, industrial organization, price theory, labor markets, salary determination and discrimination, tournament theory, Coase Theorem, and game theory. Financial principles covered include financing of sports teams in different leagues, public vs private financing of stadiums, efficient markets hypothesis, and behavioral finance. We will cover historical topics and address current events. Students will participate in class discussion, read economic papers on sports, and give short presentations on the articles they read.

Prerequisite(s): TAKE ECO-101

FIN-334 SPORTS ANALYTICS (3 Credits)

Students will develop and apply analytical skills that are useful in a general business environment, applied specifically to sports. Students will learn how to apply methods and principles in a wide range of applications for purposes of in-game strategy, team management, player performance and fantasy competitions, among many other topics.

Prerequisite(s): Take QMX-212 and BIS-220

FIN-401 ADV CORPORATE FINANCE (3 Credits)

An in-depth study of corporate finance. Topics will include valuation, risk analysis, risk management, capital budgeting, capital structure, mergers and acquisitions, market efficiency, long-term financing, and short-term finance.

Prerequisite(s): Take FIN-301

FIN-402 PROBLEMS IN FINANCE (3 Credits)

This course is the Finance capstone course. A case studies course designed to build upon and integrate the knowledge accrued from FIN 401 as well as other required courses in finance. Particular reference is made to current problems in finance.

Prerequisite(s): Take FIN-401

FIN-407 INTERNATIONAL FINANCE (3 Credits)

FIN-410 STUDENT INVESTMENT FUND (3 Credits)

The Student Investment Fund asks students to manage a real estate investment portfolio. Students make and implement assets allocation decisions, analyze sectors and individual companies and manage administrative issues. Students are responsible for reporting their activities and investment results to an advisory board.

Prerequisite(s): Take FIN-301

FIN-412 PROBLEMS IN FINANCE (3 Credits)

FIN-420 STUDENT INVESTMENT FUND II (3 Credits)

Students in SIMM II are asked to manage an energy hedge fund. Students will make investment decisions across all areas of the energy universe. They can trade (long or short) in equities, futures, and options. Students are responsible for active risk management and regular reporting to an advisory board.

Prerequisite(s): Take FIN-410

FIN-421 INVESTMENTS (3 Credits)

An introduction to the field of investments. Modern portfolio theory is treated in depth and provides the basis for a clear understanding of the Capital Asset Pricing model and Arbitrage Pricing Theory. Securities discussed will include common stock, preferred stock, corporate bonds, municipal bonds, warrants, convertibles and stock options.

Prerequisite(s): Take FIN-301

FIN-498B IND. ST. BEHAVIORAL FINANCE (3 Credits)

Research in selected topics in finance and banking under the supervision of a faculty member. Designed to allow the student to probe areas of specific interest that lie beyond the coverage normally found in regular offerings.

FIN-499 SPECIAL TOPICS (1-3 Credits)

A well-defined course of study in specific topics in finance such as business cycles, public finance nonprofit finance and banking, which go beyond the regular course offerings.

FIN-499A IND. STUDY & RESEARCH (1-3 Credits)

FIN-499F SP TOP. FINANCIAL MODELING (3 Credits)

Prerequisite(s): Fin-301

FIN-499J SP TOP:ALGORITHMIC TRADING & APPLIED FINANCE PROJECTS (3 Credits)**FIN-499K SP TOP: FINANCIAL MODELING (1-3 Credits)**

A well-defined course of study in specific topics in finance such as business cycles, public finance nonprofit finance and banking, which go beyond the regular course offerings.

FIN-499L GLOBAL BUSINESS TRAVEL SEMINAR: LONDON (3 Credits)

A well-defined course of study in specific topics in finance such as business cycles, public finance nonprofit finance and banking, which go beyond the regular course offerings.

FIN-499LM SP TOP: LONDON FINANCIAL MARKETS (3 Credits)

A well-defined course of study in specific topics in finance such as business cycles, public finance nonprofit finance and banking, which go beyond the regular course offerings.

Prerequisite(s): Take FIN-301

Corequisite(s): #take 3 courses from subject fin

Restrictions: RGM.134

Statistics (QMX)

QMX-210 QUANTITATIVE APPLICATION FOR BUSINESS STUDENTS (3 Credits)

An introduction to quantitative techniques used in business, including real-world application problems, linear equations and inequalities, systems of equations, basic notions from the mathematics of finance, including simple and compound interest, annuities, amortization, graphical methods for solving linear programming optimization tasks, along with an introduction to calculus. Course opened to business majors only.

Restrictions: RG.BUS

QMX-211 INTRODUCTION TO STATISTICS (3 Credits)

The course involves analysis of descriptive statistics. Emphasis is placed on graphical methods, measures of central tendency, measures of variability and their application to the "real world." Major emphasis is placed in presenting an introduction to probability and its applications. Random variables and their distribution are discussed along with mathematical expectation and useful discrete probability distributions. The course concludes with a detailed discussion of the normal probability distribution, sampling distributions and the use of confidence intervals for statistical inference. Computer usage is required throughout.

Prerequisite(s): Take MATH-122 QMX-210 or MATH-151

QMX-212 STATISTICAL APPS FOR BUSINESS (3 Credits)

A review of confidence intervals for statistical inference is followed by an extensive discussion of hypothesis testing for both large and small samples. An in-depth study of analysis of variance precedes detailed work on linear regression, multiple regression and correlation. Analysis of enumerative data including chi-square and a study of non-parametric statistics concludes the course. Survey sampling techniques permeate the course, along with a focus on the application of statistical techniques in business. Computer usage is required throughout.

Prerequisite(s): Take QMX-211