A continuation in the field of taxation with particular attention to the field of corporate and business taxation at the Federal level. Corporate formation and capital structure, corporate income tax, other corporate levies, consolidated tax returns, partnerships, and S-corporations.

Prerequisite: ACCOUNT 208-DL.

ACCOUNT 310-DL Managerial Cost Accounting (1 Unit)
Managerial uses of cost data in planning, controlling, and evaluating organizational activities and in making business decisions. Topics include discussion of activity-based costing, standard costs, inventory costing, and review of cost allocation techniques. In addition, contemporary topics, including pricing decisions, balanced scorecard, and capital budgeting techniques will be discussed, along with ethical and behavioral issues addressing both manufacturing and service sectors.

Prerequisite: ACCOUNT 202-DL.

ACCOUNT 340-CN Government and Nonprofit Accounting (1 Unit)
The defining characteristics of accounting for government and nonprofit organizations.

ACCOUNT 350-DL Auditing I (1 Unit)
Foundational concepts of balance sheet audits. Students exercise the role of an external auditor, identifying audit risks, determining appropriate audit techniques and evidencing, and executing audits of primary financial areas present at most companies.

ACCOUNT 360-DL Auditing II (1 Unit)
Builds on foundational audit concepts and applies them to real-life situations, including the understanding and analysis of company financial statements. Internal control frameworks and standards, alternatives to the traditional financial statement audit, roles of the external and internal auditor are also considered.

Prerequisite: ACCOUNT 350-DL.

ACCOUNT 370-CN Advanced Accounting (1 Unit)
Accounting for multi-corporate entities and acquisitions, consolidated financial statements, accounting for state and local governments, partnerships, accounting for non-profit organizations, and foreign operations.

Prerequisite: ACCOUNT 211-DL.

ACCOUNT 390-CN Topics in Accounting: (1 Unit)
Topics vary. May be repeated for credit with different topic.

ACCOUNT 390-DL Topics in Accounting: (1 Unit)
Topics vary. May be repeated for credit with different topic.

ACCOUNT 399-CN Independent Study (1 Unit)

FINANCE 202-CN Introduction to Finance (1 Unit)
Introduction to the basic concepts and models used in finance.

Prerequisite: MATH 101-CN, STAT 202-CN, or college algebra, statistics, financial accounting, microeconomics, and macroeconomics, or equivalents. Carries business credit.

FINANCE 202-DL Introduction to Finance (1 Unit)
Introduction to the basic concepts and models used in finance.

Prerequisite: MATH 101-CN, STAT 202-CN, or college algebra, statistics, financial accounting, microeconomics, and macroeconomics, or equivalents. Carries business credit.

FINANCE 360-CN Corporate Finance (1 Unit)
Topics include capital budgeting; how companies determine what an appropriate discount rate would be for a given capital investment; the Capital Asset Pricing Model (CAPM) and the Arbitrage Pricing Theory (APT) models used to estimate a firm’s cost of equity; detailed consideration of how beta is estimated for the CAPM; how a company derives its weighted average cost of capital (WACC); the dividend policy
decision and capital structure theory, financial planning models; the adjustments typically made to financial statement data to accommodate the needs and viewpoints of financial analysts and investors; corporate risk management (hedging techniques).

Prerequisite: FINANCE 202-CN or equivalent.

FINANCE 363-CN Financial Markets and Institutions (1 Unit)
The role of financial institutions and markets from a financial manager’s perspective. Process of financial intermediation within the economy.

Prerequisite: FINANCE 202-CN.

FINANCE 364-CN Investment Theory (1 Unit)
Theory underlying the construction of a financial assets portfolio with the objective of maximizing expected return for a specified tolerable level of risk. Topics include risk aversion and utility functions; diversification; capital allocation to risky assets (the separation property); optimal risky portfolios; index models; the Capital Asset Pricing Model and multifactor models of risk and return; and the efficient market hypothesis.

Prerequisite: FINANCE 202-CN or equivalent.

FINANCE 365-CN Portfolio Management (1 Unit)
Applied investment management.

Prerequisite: FINANCE 202-CN or equivalent.

FINANCE 368-CN Options and Futures (1 Unit)
Development of skills to value and use options, futures, and related financial contracts. Topics include arbitrage, hedging, spreading, pricing relations, models such as Black Scholes and cost of carry, and currency and interest-rate swaps.

Prerequisite: FINANCE 202-CN or equivalent.

FINANCE 390-CN Special Topics: (1 Unit)
Topics vary. May be repeated for credit with different topic.

FINANCE 399-CN Indp Study (1 Unit)
NPEP course.

FINANCE 100-CN Quantitative Reasoning (1 Unit)
NPEP course.

MATH 101-CN Algebra (1 Unit)
Overview of core mathematical concepts that permeate business, science and everyday life. Primary focus is on mathematical tools needed in a variety of degree programs. Topics include: functions and graphs, linear, polynomial and rational equations, inequalities and their applications, modeling, variation, and systems of equations. This course does not count for credit if taken after any higher mathematics course. May not be audited.

MATH 101-DL Algebra (1 Unit)
Overview of core mathematical concepts that permeate business, science and everyday life. Primary focus is on mathematical tools needed in a variety of degree programs. Topics include: functions and graphs, linear, polynomial and rational equations, inequalities and their applications, modeling, variation, and systems of equations. This course does not count for credit if taken after any higher mathematics course. May not be audited.

MATH 100-CN Quantitative Reasoning (1 Unit)
NPEP course.

MATH 101-CN Algebra (1 Unit)
Overview of core mathematical concepts that permeate business, science and everyday life. Primary focus is on mathematical tools needed in a variety of degree programs. Topics include: functions and graphs, linear, polynomial and rational equations, inequalities and their applications, modeling, variation, and systems of equations. This course does not count for credit if taken after any higher mathematics course. May not be audited.

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MATH 110-CN Introduction to Mathematics (1 Unit)
NPEP course.

MATH 113-CN Precalculus Mathematics (1 Unit)
Properties and graphs of the basic functions: polynomial, rational, exponential, logarithmic, and trigonometric. Complex numbers, theory of equations, and selected topics are also included. May not be audited.

MATH 202-CN Finite Mathematics (1 Unit)
Foundation of mathematical knowledge targeting data analysis. Topics chosen from set theory, combinatorics (the art of counting), finite probability, elementary linear algebra and its applications to linear optimization problems.

MATH 211-CN Short Course in Calculus (1 Unit)
Elements of differential and integral calculus.

MATH 220-A Single-Variable Differential Calculus (1 Unit)

MATH 220-B Single-Variable Integral Calculus (1 Unit)

Prerequisite: MATH 220-B.

MATH 226-CN Sequences and Series (1 Unit)

Prerequisite: MATH 220-B.

MATH 230-A Multivariable Differential Calculus (1 Unit)
Vectors, vector functions, partial derivatives, and optimization.

Prerequisite: MATH 220-B.

MATH 230-B Multivariable Integral Calculus (1 Unit)

Prerequisite: MATH 230-A.

MATH 240-CN Linear Algebra (1 Unit)
Elementary linear algebra: systems of linear equations, matrix algebra, subspaces, determinants, eigenvalues, eigenvectors, and orthogonality.

Prerequisite: MATH 230-A or equivalent.

MATH 250-CN Elementary Differential Equations (1 Unit)

Prerequisite: MATH 230-A, MATH 240-CN, or equivalents.

MATH 300-CN Foundations of Higher Mathematics (1 Unit)
Introduction to fundamental mathematical structures, including sets, functions, equivalence relations, and cardinal numbers. Elementary logic and proof techniques.

Prerequisite: MATH 240-CN.

MATH 306-CN Combinatorics & Discrete Mathematics (1 Unit)
Discrete mathematics, inductive reasoning, counting problems, binomial coefficients and Pascal's triangle, Fibonacci numbers, combinatorial probability, divisibility and primes, partitions, and generating functions.

Prerequisite: MATH 240-CN.

MATH 310-A Probability and Stochastic Processes (1 Unit)

Prerequisite: MATH 230-B.

MATH 310-B Probability and Stochastic Processes (1 Unit)
Discrete-time Markov chains, recurrence and transience.

Prerequisite: MATH 240-CN and MATH 310-A.

MATH 310-C Probability and Stochastic Processes (1 Unit)
Pre-Requisite: MATH 310-B.

MATH 320-A Introduction to Real Analysis (1 Unit)
Analysis on the real line: axiomatic development of the real number system, sequences and series of real numbers, continuity, and differentiability.
Prerequisite: MATH 300-CN.

MATH 320-B Real Analysis II (1 Unit)
Analysis on the real line: the Riemann integral and sequences and series of functions.
Prerequisite: MATH 320-A.

MATH 320-C Introduction to Real Analysis (1 Unit)
Analysis on Euclidean spaces: the topology of Euclidean spaces, limits, continuity, and differentiability, including the inverse and implicit function theorems.
Prerequisite: MATH 320-B.

MATH 325-CN Complex Analysis (1 Unit)
Prerequisite: MATH 230-B.

MATH 330-A Abstract Algebra (1 Unit)
Group theory.
Prerequisite: MATH 300-CN.

MATH 334-CN Linear Algebra II: Second Course (1 Unit)
Prerequisite: MATH 300-CN.

MATH 336-A Introduction to the Theory of Numbers (1 Unit)
Prerequisite: MATH 230-A.

MATH 340-CN Geometry (1 Unit)
Prerequisite: MATH 300-CN.

MATH 366-A Mathematical Models in Finance (1 Unit)
Prerequisite: MATH 240-CN.

MATH 399-CN Independent Study (1 Unit)