

ACCOUNTING AND FINANCE (ACFI)

Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

ACFI 801 - Corporate Finance

Credits: 3

This course provides the foundation of corporate finance. Topics include investment criteria, capital structure, valuation, mergers and acquisitions, real options, and payout policy.

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 802 - Investments

Credits: 3

This course provides an overview of several important topics in investments: securities and markets, asset pricing theory, stock analysis and valuation, fixed income securities, stock options, and applied portfolio management.

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 804 - Derivative Securities and Markets

Credits: 3

This course explores the basic types of derivative instruments (forwards, futures, options, swaps) and their use in the context of financial risk management by investors, firms and financial institutions. Topics include the mechanics of derivatives markets, practical and theoretical aspects of hedging and speculating using derivatives, and methodologies for pricing derivatives. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 805 - Financial Institutions

Credits: 3

This course explores the financial institutions that create credit and liquidity for businesses and other borrowers, the financial instruments that facilitate credit and liquidity creation, and the markets in which those instruments are sold or traded. Special emphasis is paid to commercial banks. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 806 - Financial Modeling and Analytics

Credits: 3

The main objective of the course is to bridge the gap between theory and practice by using software applications and real-world data to solve a variety of financial problems. The course is very 'hands-on' and is expected to help students develop skills that are useful in a variety of jobs in finance, accounting, insurance, and real estate. Pre-Req: ACFI 801 (Corporate Finance); ACFI 802 (Investments). Pre- or Co-Req: ACFI 820 (Programming in Finance).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 807 - Equity Analysis and Firm Valuation

Credits: 3

This course is intended to provide practical tools for analyzing and valuing a company's equity. Primarily an applications course, it covers several valuation models such as market multiples and free cash flow models, and focuses on the implementation of finance theories to valuation problems. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 809 - Mortgage Banking and Fixed Income Securities

Credits: 3

This course focuses on bonds and the bond market. While the cash flows of bonds are specified, their valuation is particularly challenging given interest rate movements, embedded optionality, and credit risk. As part of an examination of structured products, the course will examine the process of creating, valuing, and trading mortgages. Further, the course explores the skills needed to manage fixed income portfolios considering both client specific objectives and the market environment. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 810 - Big Data in Finance

Credits: 3

This course serves as an introduction to many aspects of big data utilization, specifically as it applies to finance. Topics typically include high frequency trading, stock market anomalies, data management, fintech innovations, and safety and ethics when working with big data. Programming languages common to finance, such as Stata, SAS, and Python, are learned and used to analyze and manipulate data. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 820 - Corporate Taxation

Credits: 3

Provides coverage of advanced topics from a strategic viewpoint and an understanding of the history and development of taxation, the role taxes play in financial and managerial decisions, and how taxes motivate people and institutions. The major tax issues inherent in business and financial transactions and their consequences are also explored.

ACFI 825 - Ethics and Non-Profit Accounting

Credits: 3

This course aims to: (1) increase students understanding of, and sensitivity to, ethical issues in accounting and (2) provide a foundation for the conceptual and practical issues surrounding accounting for not-for-profit entities. Ethics topics include: ethical reasoning and cognitive processes, business ethics and corporate governance, ethics in accounting judgments and decisions, and legal/regulatory/professional responsibilities of accountants. Not-for-profit accounting topics include: planning, budgeting, accounting, and internal and external financial reporting for not-for-profit entities.

Equivalent(s): ACFI 897

ACFI 830 - Advanced Auditing

Credits: 3

This course is designed to establish an advanced competence in auditing theory and practice. Specifically, students will gain an in-depth understanding of current academic auditing research and the philosophy of strategic-systems auditing through readings, presentations, case studies, and a service learning project with a local non-profit organization.

ACFI 835 - Governmental Accounting

Credits: 3

The objective of this course is to provide a foundation for the conceptual and practical issues surrounding accounting for governmental entities. Topics include: planning, budgeting, accounting, and internal and external financial reporting for government organizations.

Equivalent(s): ACFI 895

ACFI 840 - Forensic Acctg & Fraud Exam

Credits: 3

This course builds on audit coursework, but is not limited to an audit perspective. It covers the major schemes used to defraud organizations and individuals. Students develop skills in the areas of fraud protection, detection, analysis, and some skills relating to investigations.

ACFI 844 - Topics in Advanced Accounting

Credits: 3

Theory and practice of accounting for corporate acquisitions and mergers and the preparation and presentation of consolidated financial statements. Other topics include multinational consolidations, interim reporting and partnership accounting. Prereq: M.S. in Accounting.

ACFI 850 - Accounting Theory and Research

Credits: 3

The objective of this course is to study the role of accounting information both in a decision-making and in a performance-evaluation context. This objective will be achieved by studying various accounting theories and the role that research has played in developing and testing those theories. Prereq: M.S. in Accounting.

ACFI 860 - Advanced Business Law

Credits: 3

Focuses on legal issues such as the formation, management, and operation of corporations, and partnerships, and rights and liabilities of shareholders and partners; as well as an analysis of securities regulations. Also covers the due process and equal protection provisions of the Constitution as they relate to business activities. Includes an in depth analysis of the Uniform Commercial Code such as sales, secured transactions, and negotiable instruments. Real and personal property issues are also explored.

ACFI 870 - Programming in Finance with Quantitative Applications

Credits: 3

This course provides students with tools necessary to manipulate, analyze, and interpret financial data. Programming languages covered may include C++, Python, R, SAS, and Stata. Quantitative applications involving data from Bloomberg, CRSP, and Compustat are incorporated into the material.

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 871 - Financial Theory

Credits: 3

This course provides a rigorous overview of modern financial analysis. Topics include valuation, risk analysis, corporate investment decisions, and security analysis and investment management. Pre-Req: ACFI 801 (Corporate Finance); ACFI 802 (Investments). Pre- or Co-Req: ACFI 820 (Programming in Finance).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 872 - Corporate Financial Reporting

Credits: 3

This course covers the preparation and analysis of financial statements. It focuses on the measuring and reporting of corporate performance for investment decisions, stock valuation, bankers' loan risk assessment, and evaluations of employee performance. Emphasizes the required interdisciplinary understanding of business. Concepts from finance and economics (e.g., cash flow discounting, risk, valuation, and criteria for choosing among alternative investments) place accounting in the context of the business enterprise. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 873 - Cases in Finance

Credits: 3

This course is an application of financial knowledge to case studies. A number of real like cases will be analyzed and discussed in detail, including firm capital structure decisions, cash policies, and merger and acquisition strategies. The course will place an emphasis on presentation and writing skills. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 874 - Finance Experience

Credits: 3

This course shows students applications of finance in the real world, including portfolio management, field trips to financial firms, projects, career opportunities, and outside consulting projects. Presentation skills and networking abilities are emphasized. Prereq: ACFI 801 (Corporate Finance); ACFI 802 (Investments).

Repeat Rule: May be repeated for a maximum of 6 credits.

ACFI 890 - Accounting Information Systems

Credits: 3

Accounting information systems and the use of computers for decision making with emphasis on sources and types of information and the use of analytical tools in solving accounting management problems. Prereq: M.S. in Accounting.

ACFI 896 - Topics

Credits: 3

Special topics. Prereq: consent of advisor and instructor.

Repeat Rule: May be repeated for a maximum of 12 credits.

ACFI 898 - Master's Project

Credits: 3

Master's paper on a topic approved by the program director. Prereq: M.S. in Accounting.