

**Finance Certificate**

<b>Finance Certificate</b>	<b>Credit</b>
Courses	
• Financial Theory & Applications	1.0
• Investment Theory & Portfolio Management	1.0
• Financial Markets	1.0
• Options & Derivatives	1.0
• International Finance	1.0
• Financial Statement Analysis	1.0
<b>TOTAL</b>	<b>6.0</b>

**Certificate Course Descriptions**

***Financial Theory and Applications (1.0)***

Although listed first, courses may be taken in any order. (Augsburg students must have completed the Managerial Finance Course). The course covers most of the topics in more depth than in the Managerial Finance course and provides more focus on theory and its applications based on journal articles. Some of the more advanced topics in Finance such as Financial Leverage and Capital Structure, Risk Management and Financial Engineering, Option Valuation, Mergers and Acquisitions and Leasing will be discussed. *(A Finance course at the Undergraduate or graduate level is a pre-requisite)*

***Investments Theory and Portfolio Management (1.0)***

This course will discuss investment background such as the investment setting, asset allocation decision, selecting investments in a global market and security market indicators, followed by efficient capital markets, portfolio management and asset pricing models and multifactor models of risk and return. We will discuss security valuation and analysis and management of common stocks and bonds. The course will end with a discussion of professional asset management and evaluation of portfolio performance.

***Financial Markets (1.0)***

This course will begin with a discussion of the financial system and the financial institutions. We will discuss the relationship between interest rates and security prices, the money market where interest rates are determined, and the role of the consumer and business and government in the financial markets.

### ***Options and Derivatives (1.0)***

This course will begin with a discussion of the structure of Options Markets, the principles of option pricing including the Binomial Model and the Black-Scholes model and the basic and advanced options strategies. This will be followed by a discussion of the structure of forward and futures markets, the principles of forward and futures pricing, and futures hedging strategies. The last segment of the course will discuss options on futures, interest rate derivatives and financial risk management using derivative strategies.

### ***International Finance (1.0)***

The objective of this course is to acquaint students with macro and micro aspects of international finance. At the macro level, coverage will include theories of direct investment, the international monetary mechanism, foreign exchange markets, and repercussions from balance of payments difficulties. Micro level materials will include problems of doing business internationally and a survey of public and private foreign and international financial institutions. We will also discuss the management of risk of multinational operations and the valuation and structure of multinational operations. The course will end with a discussion of international portfolio investment and asset pricing.

### ***Financial Statement Analysis (1.0)***

This course will begin with a discussion of the framework for financial statement analysis. We will discuss the accrual concept, analysis of cash flows, foundations of ratio and financial analysis, analysis of each individual line item on the income statement and balance sheet, income taxes, leases and off-balance-sheet debt, pensions and employee benefits, inter-corporate investments, business combinations and ending the course with a synthesis of financial statement analysis.