

A photograph of a large, multi-story university building with a Gothic architectural style, featuring many arched windows and a prominent entrance. The building is set against a clear blue sky. In the foreground, there are green trees and a grassy area. The text 'MBA Essentials' is overlaid in white on the left side of the image.

MBA Essentials

A targeted online learning experience to enhance learner efficiency and retention of core knowledge, critical thinking and analytical skills demanded in business disciplines today.

The SS&C Learning Institute's MBA Essentials is a curriculum of online courses covering the critical subject areas in business today from accounting and finance to microeconomics and statistics. The concentrated, self-paced modules augment existing MBA programs to equip students with fundamental business skills, readily applicable to their studies and career development.

Accounting Essentials

Business Math Boot Camp

Calculus Essentials

Finance Essentials I

Finance Essentials II

Microeconomics Essentials

Statistics Essentials



Accounting Essentials

The course presents the fundamentals of finance accounting and develops command over the necessary skills in our phased experiential learning process. Learners grasp the underlying concepts at their own pace with clear explanatory examples, then progress to posting accounts for key transactions and finally, through creating and manipulating financial statements to reflect the impact of each transaction.

Accounting provides insight to various disciplines within a business such as firm finance, operations, marketing and business strategy, banking, investing and consulting. Understanding how various transactions impact the accounting equation and how to create and read financial statements enables learners to become more informed investors.

Lessons

- ✓ Initial Capitalization
- ✓ Inventory Purchase
- ✓ Equipment Purchase
- ✓ Determining Trademark Value
- ✓ Sales
- ✓ Compensation
- ✓ Accounts Receivable
- ✓ Accounts Payable
- ✓ Accumulated Depreciation
- ✓ Trademark Amortization
- ✓ Interest Expense
- ✓ Comparison of Statement of Cash Flows (Direct Method) vs. Income Statement

Business Math Boot Camp

Designed to establish a strong foundation in basic math skills, this course is applicable across many academic fields. The skills developed in this course are essential for success in any business discipline. In Business Math Boot Camp, learners will create and utilize visual models, apply the technique of probabilistic modeling to real-life situations; analyze and forecast numerical data, describe the concepts underlying supply and demand curves, recognize and quantify risk, and explain the time value of money.

Lessons

- ✓ Probabilistic Modeling
- ✓ Regression Analysis
- ✓ Expected Value
- ✓ Supply and Demand
- ✓ Simple, Conditional, and Intersection Probabilities
- ✓ Revenue, Cost, and Profit
- ✓ Odds
- ✓ Exponents and Logarithms
- ✓ Decision Trees
- ✓ Time Value of Money
- ✓ Data Analysis: Mean, Median, Mode, and Variance
- ✓ Compounding and Discounting
- ✓ Equation of a Line
- ✓ Compound Interest

Calculus Essentials

As a furthering of analytical skills, this course will familiarize the learner with the basics of calculus. The course presents the concepts of limits and the derivatives. The course also includes a relevant application of continuous compounding, a limit used in finance. In this course learners will define limits, apply this theory to continuous compounding in finance, study the idea of the tangent to understand the definition of the derivative and apply differentiation to a variety of functions, and expand on this concept to discuss higher-order and partial derivatives.

Lessons

- ✓ Limit
- ✓ Derivative

Finance Essentials I

As an introduction to the fundamentals of corporate finance, this course emphasizes the variety of issues facing an organization's financial manager. Key concepts and applications include defining the time value of money, performing calculations using the techniques of compounding and discounting, identifying short-term financing opportunities and implementing discounted cash flow analysis to value a company.

Lessons

- ✓ The Time Value of Money
- ✓ Compounding and Discounting
- ✓ Short-Term Financing
- ✓ Money Market Instruments
- ✓ Discounted Cash Flow Analysis
- ✓ Performing a Valuation

Finance Essentials II

In a further investigation of the corporate finance topics covered in Finance Essentials I, this course examines long-term financial strategies of a company. Main points include exploring dynamics of long-term investment decisions based on a qualitative and quantitative process, performing Net Present Value and Internal Rate of Return analysis, mechanisms of raising capital to finance investments by issuing debt, and managing business risk.

Lessons

- ✓ The Investment Decision
- ✓ NPV and IRR
- ✓ The Financing Decision
- ✓ Financing with Debt
- ✓ Business Risk
- ✓ Financial Price Risk

Microeconomics Essentials

Creating and implementing an effective business strategy requires the familiarity of basic market principles, industry performance and company behavior. Microeconomics Essentials lays the foundation for strategic decision-making skills by providing an understanding of the primary issues and factors that affect business choices.

In the course, learners gain an understanding of fundamental concepts and models like demand curves, price elasticity, marginal revenue and costs, and various market structures. This will enable them to analyze costs and their behavior, determine the optimum quantity and price, apply game theory to analyze a competitor's actions and formulate a strategic response.

Lessons

- ✓ Demand and Revenue
- ✓ Analyzing Costs and their Behavior
- ✓ Determining the Optimum Quantity and Price
- ✓ How a Firm Operates in a Perfectly Competitive Market
- ✓ Formulating Competitive Strategy Using Game Theory
- ✓ Continuing Education/Continuing Professional Education

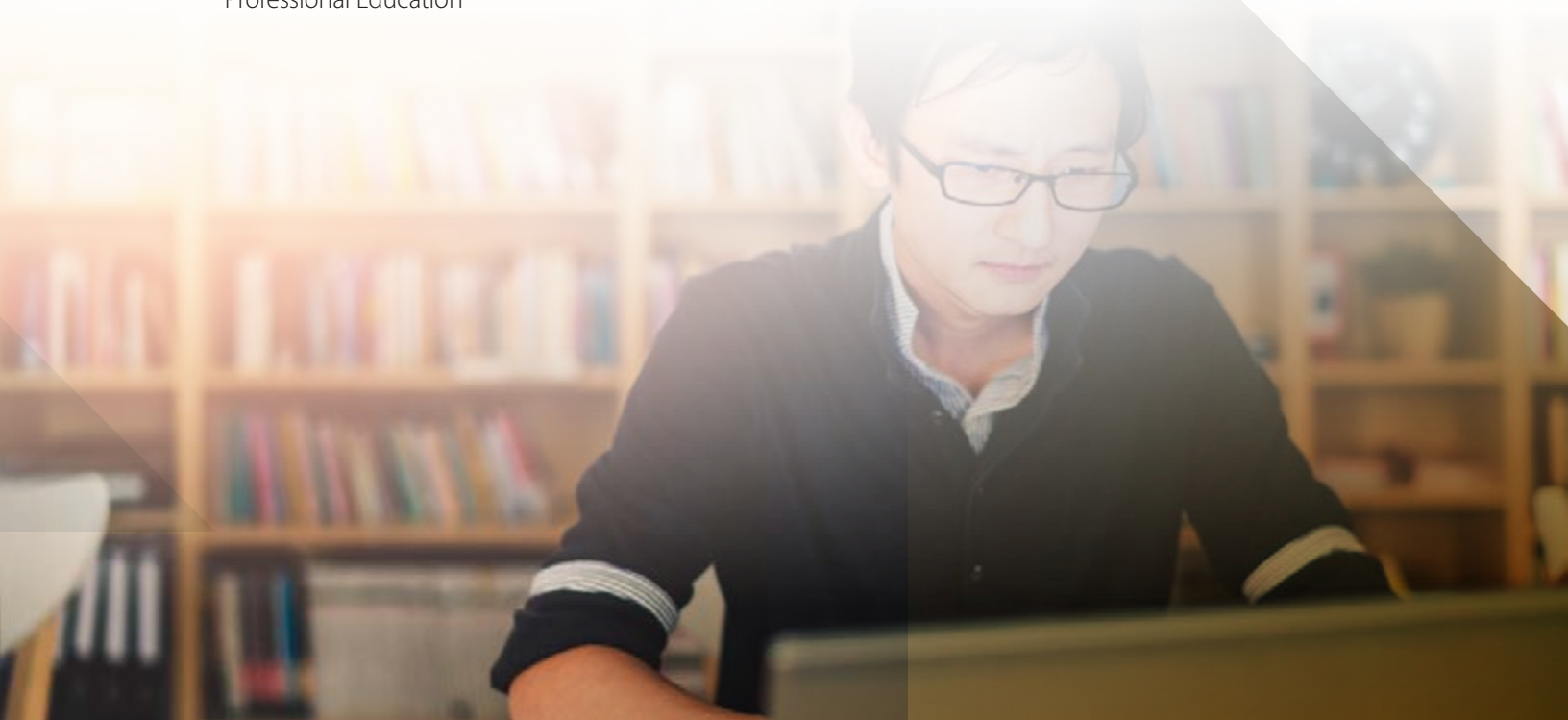
Statistics Essentials

The basic concepts of statistics and probabilities are central to analyzing data and making effective business decisions. Statistics Essentials explores the fundamental principles and techniques of both description statistics [e.g. mean, variance, and standard deviation] and inferential statistics [e.g. sampling singles and dual populations, hypothesis testing, confidence levels and regression analysis].

In this lesson learners will calculate mean, variance, and standard deviation and use these measures analytically, apply fundamental concepts of a normal probability distribution, standardize a normal distribution to facilitate comparison between population samples, construct and use hypothesis testing to understand how to test for differences between populations, and perform regression analysis.

Lessons

- ✓ Describing a Variable
- ✓ Estimating with Data
- ✓ Hypothesis Testing
- ✓ Comparing Two Populations
- ✓ Regression



Who We Are

The SS&C Learning Institute is an education, training and research organization dedicated to the enrichment of investment management professionals and those seeking careers in financial services.

For more information visit ssctech.com/learn.

SS&C Learning Institute 4 Times Square, 6th Floor, New York, NY 10036 | SSCLI_Support@sscinc.com