

ACCOUNTING COURSE OUTLINE

Topic 1 = Financial Accounting

Lesson 1 = Accounting Regulations in the US

Lesson 2 = International Accounting Standards

Topic 2 = Elements of Accounting

Lesson 1 = Assets, Liabilities & Owners' Equity

Lesson 2 = Income Measurement

Lesson 3 = The Accounting Equation

Topic 3 = Setting up Accounts

Lesson 1 = Permanent & Temporary Accounts

Lesson 2 = The Chart of Accounts

Topic 4 = Accounting Transactions

Lesson 1 = Recording Transactions

Lesson 2 = Summarizing Transactions

Lesson 3 = Closing the Books

Topic 5 = Preparing Reports

Lesson 1 = Income Statement Overview

Lesson 2 = Income Statement Expenses

Lesson 3 = Balance Sheet Overview

Lesson 4 = Classified Balance Sheet

Lesson 5 = Cash Flow Statement Overview

Lesson 6 = Cash Flow Statement Activities

Lesson 7 = Cash Flow Statement Preparation

Topic 6 = Analyzing Reports

Lesson 1 = Liquidity & Solvency Ratios

Lesson 2 = Activity Ratios

Lesson 3 = Profitability Ratios

FINANCE COURSE OUTLINE

Topic 1 = Time Value of Money

Lesson 1 = Compounding

Lesson 2 = Discounting

Lesson 3 = Net Present Value and Internal Rate of Return

Lesson 4 = Bond Prices and Yield to Maturity

Topic 2 = Forecasting

Lesson 1 = Percent of Sales Technique Part 1

Lesson 2 = Percent of Sales Technique Part 2

Lesson 3 = Free Cash Flow

Lesson 4 = Sensitivity Analysis, Scenario Analysis and Breakeven Analysis

Topic 3 = Project Evaluation

Lesson 1 = Measuring Value: NPV and IRR

Lesson 2 = Relevant Cash Flows

Lesson 3 = Payback Period, AROI and Economic Profit

Lesson 4 = Risk: Sensitivity Analysis

Lesson 5 = Risk-Adjusted Discount Rates

Topic 4 = Required Rate of Return

Lesson 1 = Cost of Debt Part 1

Lesson 2 = Cost of Debt Part 2

Lesson 3 = Cost of Equity

Lesson 4 = Weighted Average Cost of Capital

Lesson 5 = Interest Rate Parity

QUANT SKILLS COURSE OUTLINE

Topic 1 = Data Relations

Lesson 1 = Equalities and Inequalities

Lesson 2 = Fractions, Ratios and Percentages

Lesson 3 = Summation and Product Notation

Lesson 4 = Absolute Value and MAD

Topic 2 = Functions and Graphs

Lesson 1 = Linear Functions

Lesson 2 = Non-Linear Functions

Lesson 3 = Multivariate Functions

Topic 3 = System of Equations

Lesson 1 = System of Equations

Lesson 2 = Breakeven Analysis

Topic 4 = Exponents

Lesson 1 = Exponents

Lesson 2 = Growth

Topic 5 = Calculus

Lesson 1 = Derivatives

Lesson 2 = Calculating Derivatives

Lesson 3 = Optimization

Lesson 4 = Logarithms

STATISTICS COURSE OUTLINE

Topic 1 = Descriptive Statistics

Lesson 1 = Types of Data

Lesson 2 = Measures of Central Tendency

Lesson 3 = Measures of Variation

Topic 2 = Probability

Lesson 1 = Random Experiments and Events

Lesson 2 = Probability Rules

Lesson 3 = Probability Tables

Topic 3 = Probability Distributions

Lesson 1 = The Discrete Distribution

Lesson 2 = The Binomial Distribution

Lesson 3 = The Poisson Distribution

Lesson 4 = The Normal Distribution

Lesson 5 = z Transformation and Percentiles

Topic 4 = Sampling Distributions

Lesson 1 = $\bar{x}$ and the Central Limit Theorem

Lesson 2 = $\bar{p}$ and the Central Limit Theorem

Lesson 3 = Estimation and Means

Lesson 4 = Estimation and Proportions

Topic 5 = Hypothesis Testing

Lesson 1 = Two-Tailed Test of a Mean

Lesson 2 = Two-Tailed Test of Proportion

Lesson 3 = One-Tailed Tests

Lesson 4 = Small Sample Tests

Lesson 5 = Two-Sample Tests of Means

Lesson 6 = Two-Sample Tests of Proportions

Lesson 7 = Chi-Squared Goodness of Fit Test

Lesson 8 = Chi-Squared Test of Independence

Topic 6 = Regression

Lesson 1 = Correlation

Lesson 2 = Simple Regression

Lesson 3 = Multiple Regression Part 1

Lesson 4 = Multiple Regression Part 2