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 = x-bar and the Central Limit Theorem
Lesson 2 = p-bar 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