

# Simulation Modeling Techniques for Accounting and Finance Professionals

Finance and accounting professionals have used sensitivity analysis to study the effect of changing one variable at a time to study and understand financial outcomes. This approach, however, can only study a limited number of plausible combinations of variables. Monte Carlo simulation is a tool for considering all possible combinations and is the leading quantitative tool being taught in MBA programs today. This course uses financial case studies and hands on analyses of PCs and familiar spreadsheet techniques.

## OBJECTIVES

Upon completion of this course, participants will be able to:

- Perform simulation analyses for a variety of problem solving scenarios
- Hands-on analyses

## HIGHLIGHTS

- Identify how simulation can be used to clarify the impact of risk on financial results
- Applying the normal distribution's mean and standard deviation
- Using statistical intelligence to make realistic decisions
- Analyze risk and quantify its impact on liquidity and cash flow
- Demystifying statistical analysis for user-friendly applications
- Gaining new insight
- Develop spreadsheets that employ Monte Carlo simulation that clearly identifies how errors and financial process variance affects liquidity and solvency
- Simulating real life situations for cash flow, budgeting and investment decisions
- Learning via financial case studies

## DESIGNED FOR

CFOs, Controllers, financial managers, operations managers, strategic planners, accounting analysts and auditors



## RECOMMENDED CPE:

8

## PREREQUISITE:

None

## EVENT ID:

AF-140

## COURSE LEVEL:

Basic

## FIELD OF STUDY:

Finance

## BLI CURRICULUM:

Strategic Management

## AUTHOR:

Richard M. Miske MBA, PE

## VENDOR:

Business Learning Institute, Inc.



For information regarding on-site training, email [aicpalearning@aicpa.org](mailto:aicpalearning@aicpa.org), call **800.634.6780 (Option 1)**, or visit [aicpalearning.org](http://aicpalearning.org).