

Course:

Financial Modeling in Microsoft Excel

Duration: 2 Days (9:00 – 16:00)

Description

This class is designed for students who wish to go beyond the standard Excel training and desire an introduction to the application of spreadsheets to Finance. Students will learn the fundamentals to sound financial modeling, date math, innovative ways to create key financial graphs, and function combinations that enhance financial modeling.

Prerequisites

• Microsoft Excel Advanced (Expert Topics & Data Management)

Who Should Take This Course?

Users of Excel 2000 who want to become high-end-user specialists in the application of the software to Finance.

Objectives

- ✓ The fundamentals to sound financial modeling
- ✓ Date Math
- ✓ Application of the Time Value of Money concept to the decision making process utilizing Excel
- ✓ Beyond standard Excel charting with an emphasis on the application to Finance.
- ✓ Dynamic ranges, charts, and modeling

Outline

Keyboard Shortcuts to Live and Die By

Navigation

Relative / Absolute

Mouse & Selecting Tricks

Transpose row and column

Useful Excel Knowledge

Go To / Special

Pop Up Pictures in Your Spreadsheet!

IS Functions

INDEX & COUNTA

Reference last entry in a list

Offset

Calculating Year to Date Values

Dynamic Ranges

Array Formulas

Calculating Year to Date Values

Multiple Criteria Text Lookup

Multiple Criteria Calculations

Criteria Based Custom Number Formats

Excel Bloat – Removing

Text Parsing

Vlookup & Hlookup function

Weekday & Networkdays

If functiion

Financial Modeling Rules

Simple Rules to Follow That Makes Building

Big Models Easy

Time Value of Money and Date Math

Concept of present value

Interest

Simple

Compounding

Date Formulas

EDATE()

EOMonth()

Net Present Value and IRR

NPV & PV Concept

Net Present Value

FV Concept

Payback Period Concept

IRR & MIRR & XIRR Concept

Profitability Concept

Choosing Investments via Cashflows

Leasing Example

NPV vs. IRR

PMT & IPMT & PPMT function

Data Table

Financial Modeling - Mortgage Calculator Model

Designing Mortgage Calculator Model That Will Solve for Cashflows Given Any Three of the Following Four Items: Interest Rate, Number

of Periods, Payment, Loan Amount

Date Math

Dynamic Cashflow Schedule

Conditional Formatting

Prepayment Effects

Solving Budget

Case Study