



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 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 function

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