DAY 1

Understanding Business Models and Business Processes

- Creating Value for Key Organisational Stakeholders
- The Role of the 21st Century Finance Professional
- Business Models and Business Processes
- Business Process Improvement and Re-engineering
- Introduction to Business Intelligence and Business Analytics
- Introduction to Data Driven Decision Management (DDDM)
- Key Financial Measures and Shareholder Value Drivers
- Key Success Factors and Key Performance Measures

DAY 2

Purpose and Principles of Business Intelligence and Business Analytics

- Implementing a Business Performance Management Framework
- The Definition and Purpose of Business Intelligence (BI)
- History and Development
- Features Tools and Terminology of BI Systems
- The Definition and Aims of Business Analytics (BA)
- Understanding Descriptive and Predictive Analytics
- Sources and Types of BI and BA Tools

DAY 3

Principles of Statistical and Predictive Analytics

- Defining Statistical, Descriptive and Predictive Analytics
- Business Database Features and Design
- Principles of Distribution and Probability Theory
- Time Series Data Analysis
- Trend Analysis and Forecasting using Moving Averages
- Trend Analysis and Forecasting using Linear Regression
- Analysis and Forecasting with Monte Carlo Simulation in Excel
- Predictive Analytics using *'what-if'* Forecasts

DAY 4

Data Visualisation and Infographics for Finance Professionals

- Defining Data, Information and Insight
- Comparing Data Visualisation and Infographics
- Using Charts and Graphics for Data Visualisation
- Designing Visuals and Infographics for Non-financial Users
- Using Excel and Powerpoint for Data Visualisation
- Designing and Using Scorecards and Dashboards
- Practical Tips for Building Dashboards and Mashboards in Excel

DAY 5

BI / BA – Implementing Systems and Managing Change

- An Agile Approach to Systems Development
- Practical Steps in Agile BI / BA Systems Design and Implementation
- The Importance of Urgency
- Effective Steps to Achieving Change
- Overcoming Resistance to Change