



Master key steps to get the most out of Excel functionality to improve your financial modelling and build effective & robust model.



FINANCIAL MODELLING WORKSHOP



16 Hours Virtual Learning Experience

21st - 24th October, 2024

12:00 - 16:00 Jamaica Standard Time

www.biiworld.com

COURSE OVERVIEW:

In the ever-changing business environment, being able to accurately model and forecast the volatile economic inputs is a critical skill for business professionals. Build on your existing modelling skills and apply new techniques to better analyse financial data, predict revenues and cost and assess risks to justify business decision in the most time-efficient and effective way.

LEARNING OBJECTIVES:

Short-cuts and techniques to build a financial model in less time.

Become super-efficient in Excel through intensive use of keyboard shortcuts and best practices to efficiently build an effective and robust model.

Experience designing solutions to real-world examples.

Create a financial model based on real-world financial modelling challenges. Incorporate current economic uncertainties into the model in order to take more calculated risks and make more informed business decisions.

Analytical thought on fluctuating economic assumptions in financial modelling.

Identify correct economic inputs to model and deal with fluctuations. Quantify uncertainty in forecasting models with stress-testing, what-if analysis and risk analysis techniques.

Knowledge on how to deal with uncertainty and risk in financial modelling.

Explore the several different ways to perform scenario and sensitivity analysis in Excel and learn to model in detail the complex but most commonly used methods of showing scenarios using a combination of formulas and drop-down boxes.

In addition, you will learn to:

- Streamline model building by applying best practice functions, tools and techniques
- Apply commonly used formulas in new and different ways
- Deal with risk and uncertainty by creating scenarios and performing sensitivity analysis
- Build stress-tests, what-if and sensitivity analysis into your model by incorporating economic fluctuations
- Minimise manual labour and automate common tasks by building macros into your models
- Measure and interpret the performance of your company using Excel modelling
- Master key steps to get the most out of Excel functionality to improve your financial modelling
- Learn how to expedite and enhance the decision-making process
- Maximise your analytical abilities by learning conventional and new approaches of modelling
- Translate business concepts into logically structured models and formats
- Select which advanced formulas are appropriate in different situations
- Perform various advanced scenario modelling techniques



AUDIENCE (Who should attend):

This hands-on course is designed for middle and senior business and finance professionals and general managers who need to use financial models to measure business performance, including:

Title/Department:

- Finance Managers and Controllers
- Strategy Directors and Managers
- Budget, Corporate, Business and Financial Analysts
- Project Managers and Risk Analysts
- Investment and Management Accountants
- Heads of Business Units and Business Planners
- Financial Advisors and Corporate Analysts

Prerequisites:

The course material includes extensive use of Excel and participants will gain the maximum benefit from this course if they are already competent spreadsheet users. It is designed for users who do use Excel on a regular basis, and are comfortable with using its tools and functions.

At minimum, it is assumed that participants will know how to:

- Navigate confidently in Excel
- Use absolute cell references (e.g. =\$A\$1)
- Create and use Excel tools and functions on a regular basis

This course builds on students' existing knowledge of Excel tools and functions and incorporates these into complex and dynamic financial models.



zack.miller@biworld.com



www.biworld.com



Instructor:

Danielle Stein Fairhurst

... your EXPERT TRAINER for this Course.

Danielle Stein Fairhurst with over 20 years' experience as a financial analyst, she helps her clients create meaningful financial models in the form of business cases, pricing models and management reports. She has hands-on experience in several industry sectors, including telecoms, information systems, manufacturing & financial services.

Danielle has regular engagements around Australia and globally as a speaker, course facilitator, financial modelling consultant and analyst. In 2021 she was awarded the prestigious Microsoft Most Valuable Professional (MVP) award and regularly commentates "Excel as Esports" battles for the Financial Modeling World Cup (FMWC) on ESPN3. She is on the judging panel for the 2021 Financial Modelling Innovation Awards and is on the Diversity Council for the ModelOff Financial Modeling World Championships

Specialisations:

- Financial modelling, Budgeting & Forecasting
- Data Analysis, Business Cases & Pricing Models
- Management Reporting & Dashboards



PRESENTATIONS:

Day 1:

12:00 - Pre-Course Intro

Module 1 :

Must-know Tools and Techniques

- Key points on upgrading from to the latest, Excel for Microsoft 365 or 2021
- Absolute referencing
- Named Ranges
- Time saving shortcuts

Formulas you simply can't live without

- Lookup and Logical functions
- Aggregation functions
- Financial Functions
- Formula Nesting

Break

Module 2 :

Charting

- Creating and modifying a dynamic chart
- Making your charts look fabulous
- Charting tips, tricks and shortcuts
- Creating a waterfall (bridge or stepped) chart to display the model output

Module 3 :

Essential Advanced Tools

- Forecasting using historical data using linear regression
- Summarising and Reporting with Pivot Tables
- Variance Analysis with Conditional formatting, icon sets & colour scales
- Bullet-proof models by locking and restricting data entry and access

Post-Session Q &A

16:00 – End of Day1



PRESENTATIONS:

Day 2:

12:00 – Review of Day 1

Module 4

Financial Modelling Theory and Best Practice

- Overview of best practice financial modelling techniques
- Model planning structure and steps in building your model
- The technical, design, business and industry knowledge required for financial modelling
- Selecting the formula or tool which is most appropriate for each modelling situation
- Attributes of a good financial model
- How long should a formula be? Deciding when to break a complex formula in several steps to maintain transparency and allowing ease of model auditing

Case Studies: : What makes a poor Financial Model? Critique of a poorly built model.

Break

Module 5

Advanced Financial Modelling Techniques

- Maintaining model integrity and avoiding Excel errors
- Rebuilding an inherited model
- Building self-balancing error checks
- Correcting and suppressing errors
- Fixing circular references

- Goal seeking to calculate break-even point
- Create a more efficient model with internal links
- Dealing with external links and the potential errors they cause

Break

Module 6

Project Cost & Funding

- Being able to accurately model and forecast is a critical skill for finance professionals, especially when considering a new project.
- In the second half of this session we will explore the practical usage of Excel modelling techniques in a fully dynamic financial model. By creating your own user-friendly business case financial model, you will learn to translate commercial concepts such as pricing, costing and project evaluation into a structured format to assess the viability of a new product or venture, and apply for funding.
- Participants will create their own financial model to take away and use for future reference. Learn to design and create a user-friendly model which can then be used by anyone with limited knowledge of Excel.
- Building on the tools and techniques covered during the course, we will learn to apply advanced modelling skills to build complex, yet robust and user-friendly financial models.

Post-Session Q & A

16:00 – End of Day 2



PRESENTATIONS:

Day 3:

12:00 - Review of Day 2

Module 7

Cash Flow Forecasting

- Budgeting cashflow
- Cash management
- Cash vs accrual accounting in budgeting

Exercise: Creating a “corkscrew” cashflow forecast

Valuation Modelling

- Calculating the weighted average cost of capital (WACC)
- Derivation of free cashflow (FCFF)
- Calculating the terminal value (TV)
- Building a discounted cashflow (DCF)

Case Study: : An assessment of the use of NPV & IRR as accurate methods of asset valuation.

Module 8

Budgeting for Capital Expenditure

- Incorporating capital investment decisions into the budget and planning process
- Capital investment evaluation techniques
- Building the capital investment business case
- Contingency planning
- Depreciation budgeting and its impact on the budget
- Budgeting for intangible assets

Exercise: Create a capital expenditure register for inclusion in the budget

Module 9

Consolidating the detailed budget into financial statements

- Consolidating the detailed budget into financial statements
- Creating a Profit & Loss statement and Balance Sheet budget
- Measures such as NPAT, EBIT and EBITDA
- Learn to calculate and analyse commonly used ratios to test your budget prior to approval
- Profitability ratios, e.g. RONA, Net Profit Ratio
- Liquidity ratios e.g. Quick ratio
- Efficiency ratios e.g. Asset Turnover, Debtor and Creditor Days
- Inventory analysis

Exercise: Calculate set of financial ratios in Excel from a pro-forma P&L and Balance Sheet.

Post-Session Q &A

16:00 – End of Day 3



PRESENTATIONS:

Day 4:

12:00 – Review of Day 4

Module 10

Financial Modelling Tools to handle Uncertainty

- How does uncertainty impact today's Financial Models?
- Assess and quantify uncertainty with scenarios and risk analysis tools and Financial Modelling techniques.
- Using best practices to forecast despite volatility and uncertainty in contributing variables.
- Thought process in deriving assumptions and documentation of variables for uncertainty.
- Drivers of uncertainty in forecast modelling; e.g. industry forecasts, growth rates, market share.

Break

Module 11

Testing the Financial Model under different scenarios

- Develop and sharpen techniques required to increase accuracy in models through scenario and risk analysis.
- Learn practical methods of what-if and scenario analysis in Excel:
 - Show multiple scenario outcomes simultaneously with one and two-dimensional Data Tables
 - Using the Scenario Manager
 - Manual scenario building using drop-down boxes
- Use of stress testing to validate your underlying assumptions and risk calculations

- Sensitivities and What-if Analysis.
- Introduction to Monte-Carlo simulations
- Break-Even Analysis.

Practical Exercise: Testing fluctuation in customer numbers and performing scenario analysis using drop-down boxes, scenario manager and data tables.

Break

Module 12

Practical Exercise: Testing fluctuation in customer numbers and performing scenario analysis using drop-down boxes, scenario manager and data tables

Post-Session Q &A (Day 1 - 4)

16:00 – End of Day4 & Course



Does BII Online Virtual Training have the same value as traditional classroom training?

Yes, BII Online Virtual Training offers participants; same training system as in-person, i.e face-to-face engagement with instructors, course material, interactive participation of all delegates, and personal support that they would expect to find in a traditional classroom.

What are main features of your online courses? Are they on-demand? Is it different content from the in-person offering?

The content of the virtual training is similar to the in-person sessions and customized presentation makes it a richer online learning experience. As always, we will share presentation materials with attendees for later reference.

The online courses are not on-demand and recordings cannot be purchased. They are set on scheduled dates, live with an instructor and co-host via webinar software. While the day is shorter than an in-person session (4hrs vs 8hrs), timing are adjusted to accommodate attendees in different time zones and allow more time for one-on-one conversations via the Q & A.

What are the technical requirements for participation in a virtual course?

All you need to participate in virtual training are:

- Desktop or Laptop or Tablet Computer, and Internet connection
- Webcam
- Headset with built-in microphone

Can I attend an online training session if I have a Macintosh computer?

Yes, Our Online training systems does allow Macintosh computers, PCs, and computers running Linux to easily enter any of our online training sessions.

What type and version of browser will I need for online classes?

It is recommended that you use the latest version of Firefox, Chrome or Internet Explorer for Windows and Firefox or Safari for Mac. Each of these is available for free download and also suggested you have the PDF Reader

How do I have access to the trainer for questions?

As in the classroom, you will see the trainer in front of you and have the opportunity to ask questions at any time - all via audio and video transmission.

Is there a mute option within an online training session to minimize background noise from my audio connection?

Yes, the Mute button will display to the right of your name as you hover your mouse over your name shown in the Participants panel on the top, right side of the Web conferencing screen.

What if I miss few sessions of the online training program?

The training will be simultaneously recorded which will be provided to you as per request & requirement

Do I get a Certificate at the end?

Yes, you will get a PDF version of your certificate of completion



Modelling with Dynamic Arrays

Facilitator : **Danielle Stein Fairhurst**

Date : **07 - 11 October, 2024**

Timings : **12:00 - 16:00 Atlantic Standard Time (AST)**



This 5 Day online course will help you understand how to “tame” your data and make it work for you! Learn how to synthesise information into a logical framework, summarise it into a meaningful format, and then display the summary into easy-to-read tables and graphs. Covering dashboard reporting, balanced scorecards, visual design of charts and tables, we will also discuss the new charting and analysis features of Excel 365 and Power BI. Understanding how Modern Excel tools can help analyse data and create dashboards to communicate your message is a critical skill for Excel users today.

Our Expert Trainer Danielle Stein Fairhurst with over 20 years’ experience as a financial analyst, she helps her clients create meaningful financial models in the form of business cases, pricing models and management reports. She has hands-on experience in several industry sectors, including telecoms, information systems, manufacturing & financial services.

Has regular engagements around Australia and globally as a speaker, course facilitator, financial modelling consultant and analyst. In 2021 she was awarded the prestigious Microsoft Most Valuable Professional (MVP) award and regularly commentates “Excel as Esports” battles for the Financial Modeling World Cup (FMWC) on ESPN3. She is on the judging panel for the 2021 Financial Modelling Innovation Awards and is on the Diversity Council for the ModelOff Financial Modeling World Championships

[CLICK HERE](#)

To access this course agenda.



If you want to bring this course In-House for your Organisation (a group of 8 or plus delegates) then please contact zack.miller@biiworld.com

Any other subjects or topics, customised | tailor made courses can be curated and structured for your company needs.



Please complete this form and send it back to
zack.miller@biiworld.com

Event Code: OL FN 03

Delegate Details

- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:
- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:
- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:

PAYMENT METHOD:

CREDIT CARD OR ONLINE PAYMENT

The secured payment link will be shared/sent

WIRE TRANSFER

Authorization and Acceptance of Sales Contract & Terms & Conditions

I hereby declare I am authorised to sign this contract and terms & conditions in the name of the company/organisation:

Company/Organisation Detail

Name:
Person to Contact:.....
Email:
Address:
.....
City:
Country:
Contact No:
Type of Business:
Website:

Name:.....

Date:.....

Signature:.....

1 - 2 Delegate Fee **USD 1199 per delegate**

3 & more Delegate Fee **USD 1099 per delegate**

20 USD administration charge and any applicable withholding or any other tax or fee will be applied

TERMS & CONDITIONS:

1. Payment terms: BII World LTD requires the full payment of the invoiced amount within 7 working days from the issue date of the invoice. BII World LTD reserves the right to refuse entry to any client who does not pay the invoice in full and on time. The registration fee includes: Training documentation and admission to all training sessions.

2. Cancellation by client: The client has the right to cancel his/her participation in the event. Cancellation must be received by BII World LTD in writing either by mail or fax. If the client cancels the event, he/she will get two options:

A. CREDIT NOTE: Choose 2-year credit note, BII World LTD will send all the schedule training event details throughout the year. Delegate has the right to choose and attend any of the training programs (valid 2 years).

B. NOMINATION: In this option delegate can nominate/refer someone from his/her group/company to attend the particular training program on behalf of the actual delegate.

3. Cancellation by BII World LTD : While every reasonable effort is made to adhere to the advertised program, circumstances can arise which may cause changes in the program, including but not limited to changes in the content, date(s), or special features of the planned event. Such circumstances include but are not limited to acts of terrorism, war, extreme weather conditions, compliance with government requests, orders and legal requirements, failure of third-party suppliers to timely deliver, and failure to register the minimum target number of attendees for a given event. BII World LTD reserves the right to change the content, date(s), and/ or special features of an event, to merge the event with another event, or to postpone it or cancel it entirely as appropriate under the circumstances. Client agrees that BII World LTD shall not be liable for any cost, damage or expense which may be incurred by client as a consequence of the event being so changed, merged, postponed or cancelled and client agrees to hold BII World LTD harmless and to indemnify BII World LTD in case of liability caused by any such changes, mergers, postponements or cancellations.

4. Cancellation of the event: In case BII World LTD cancels an event, then client can choose any of the below mentioned options:

- BII World LTD will refund full payment to the client within 15 business days.
- Client can choose the credit option for 2 years, for more details please read term no-2 part (a)

5. Postponement of the event : In case BII World Ltd postpones the event to a new date, then client can choose any of the below mentioned options.

- The client can attend the course on the postponed dates.
- Client can choose the credit option for 2 years, for more details please read term no-2 part (a)

6. Client's identification information. By signing of this sales contract and these terms and conditions the client gives full right to BII World LTD to share the client's identification information, i.e. client's name, address, email addresses, phone numbers and names of representatives and website with other clients who participated in the same event. The client has the right to opt out of this clause by written notice to BII World LTD.

7. Governing law: This contract shall be governed by and construed in accordance with the laws of the Province of Alberta, Canada. Any disputes arising under or in connection with this registration form shall be settled before the competent court in Canada.

8. Indemnification: To the fullest extent permitted by the law, you agree to protect, indemnify, defend and hold harmless BII World LTD, its owners, managers, partners, subsidiaries, affiliates, officers, directors, employees and agents, from and against any and all claims, losses or damages to persons or property, governmental charges or fines, penalties, and costs (including reasonable attorney's fees) (collectively "the Claims"), in any way arising out of or relating to the event that is the subject of this contract, and regardless of negligence, included but not limited to, Claims arising out of the negligence, gross negligence or intentional misconduct of BII World LTD employees, agents, contractors, and attendees; provided, however, that nothing in this indemnification shall require you to indemnify BII World LTD indemnified parties for that portion of any Claim arising out of the sole negligence, gross negligence or intentional misconduct of the BII World LTD parties.

9. Other currencies. In case that client requests payment in other than official currency (USD), BII World LTD reserves the right to apply 5% currency risk surcharge to the actual exchange rate.

10. Other Conditions: Any terms or conditions contained in the client's acceptance which contradict or are different from the terms and conditions of this registration document shall not become part of the contract unless individually negotiated with BII World LTD and expressly accepted by BII World LTD.