

COURSE OVERVIEW FM0219
Financial Modeling

Course Title

Financial Modeling

Course Date/Venue

December 23-27, 2024/TBA Meeting Room,
 Royal Rose Hotel, Abu Dhabi, UAE

Course Reference

FM0219

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



**H-STK[©]
INCLUDED**

**3.0 CEUs
(30 PDHs)
AWARD**

Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be able to build several financial models to demonstrate a practical application using the MS Excel Application.



Financial Modelling is a tool that can be used to forecast a picture of a security or a financial instrument or a company's future financial performance based on the historical performance of the entity. Financial Modelling includes preparing of detailed company specific models which are then used for the purpose of decision making and performing financial analysis.



The purpose of Financial Modelling is to build a Financial Model which can enable a person to take better financial decision. The decision can be affected by future cash flow projections, debt structure for the company etc. All these factors may affect the viability for a project or investment in a company.

This course is designed to provide participants with a detailed and up-to-date overview on financial modelling. It covers the financial theory as used in modelling; the financial models in Microsoft Excel; the model statistics and forecasting; the art of building models; and the modelling risk and uncertainty.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on financial modelling
- Discuss finance theory as used in modelling and apply the concepts of modern finance
- Use various interest and risk measures in the models
- Develop models that are consistent with the principles of finance
- Create financial models in Microsoft Excel® by developing a set of guidelines for preparing financial models
- Identify key tips for preparing these models and apply the pyramid structure to the models
- Use various Microsoft Excel® functions that will aid in developing models
- Prepare a basic model using these techniques
- Carryout model statistics and forecasting and calculate mean and standard deviation of a dataset
- Present data for manipulation and analyze the data using simple techniques
- Forecast financial data using regression analysis
- Implement the art of building models and identify the key points necessary to build a model
- Describe the art in creating an effective model and create a new model solving a complex business problem
- Recognize modelling risk and uncertainty
- Develop simple techniques as well as use Monte Carlo simulations and option pricing models to handle uncertainty

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.

Who Should Attend


This course provides an overview of all significant aspects and considerations of financial modelling for analysts and executive level managers who work with financial models and need a refresher course on modelling methods as well as experienced financial professionals who have not built models on regular basis.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations


Certificates are accredited by the following international accreditation organizations:

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Course Fee

US\$ 5,500 per Delegate + **VAT**. This rate includes H-STK[®] (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Dr. Ahmed Hayek, PhD, MSc, BSc, CFA, CIA is a **Senior Finance & Banking Consultant** with extensive years of experience in the areas of **Governmental & Budget Accounting, Fixed Assets Accounting, Budget Estimation, Financial Statement Analysis, Tax Accounting, Advance Cost Accounting, Accounting Information System, Managerial Accounting, Cost Accounting, Advanced Financial Accounting, Governmental and Non for Profit Accounting, Specialized Financial Accounting, Forecasting & Cost, Accounting for Financial Entities, Financial Planning Control & Performance Measurement; Budgeting & Costing for Decision Making, Strategic Cost Accounting, Strategic Cost & Managerial Accounting, Financial Planning, Financial Management, Project Risk Management Concepts, Budgeting & Cost Control, Invoice Processing & Management, Fund Management, Budgeting & Cost Control, Project Accounting, Inventory Management & Forecasting Techniques, Stock Control, Advanced Budgeting & Forecasting, Budgeting Best Practices, Budgetary Controls, Communications Management; Interpersonal, Teamwork & Team Management, Materials Inventory Management, Effective Purchasing Skills, Procurement Strategies, Procurement & Purchasing Management, Contract & Risk Management, Managing Tenders & Specifications, Tendering & Bidding Evaluation, Supply Chain Management, Risk Based Audit, Accounting Principles, Islamic Auditing, Accounting Applications Using a Computer, Intermediate Accounting and Auditing.** He is currently the **Assistant Professor** wherein he is providing guidance and supervision to graduate students, participating in departmental meetings, and providing academic support to Professors and other faculty members.

During his career life, Dr. Ahmed has gained his practical and field experience through his various significant positions and dedication as **Accounting Department Head, Business Department Dean, Assistant Professor, Associate Professor, Internal Auditor, External Senior Auditor, Program Coordinator, Teller and Senior Instructor/Trainer** from various companies such as the Higher Colleges of Technology, American University in the Emirates, Jarash Private University, Telecommunications Regulatory Commission, PWC and Cairo Amman Bank and Al Balqa Applied University.

Dr. Ahmed has **PhD, Master's and Bachelor's** degree in **Accounting**. Further, he is a **Certified Instructor/Trainer**, a Certified Internal Auditor (**CIA**), a Certified Financial Accountant (**CFA**) and has published various scientific papers, received numerous awards and delivered trainings, courses, workshops and conferences worldwide.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1 **Monday, 23rd of 2024**

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	<i>Finance Theory as Used in Modelling</i>
0930 – 0945	Break
0945 – 1045	<i>Apply the Concepts of Modern Finance</i>
1045 – 1145	<i>Use Various Interest & Risk Measures in Your Models</i>
1145 – 1230	<i>Develop Models that are Consistent with the Principles of Finance</i>
1230 – 1245	Break
1245 – 1420	<i>Creating Financial Models in Microsoft Excel®</i>
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2 **Tuesday, 24th of 2024**

0730 – 0830	<i>Develop a Set of Guidelines for Preparing Financial Models in Microsoft Excel®</i>
0830 – 0930	<i>Identify Key Tips for Preparing These Models</i>
0930 – 0945	Break
0945 – 1100	<i>Apply the Pyramid Structure to Your Models</i>
1100 – 1230	<i>Use Various Microsoft Excel® Functions That Will Aid in Developing Models</i>
1230 – 1245	Break
1245 – 1420	<i>Prepare a Basic Model Using These Techniques</i>
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3 Wednesday, 25th of 2024

0730 – 0830	<i>Model Statistics & Forecasting</i>
0830 - 0930	<i>Calculate Mean & Standard Deviation of a Dataset</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Present Data for Manipulation</i>
1100 – 1230	<i>Analyze the Data Using Simple Techniques</i>
1230 – 1245	<i>Break</i>
1245 – 1420	<i>Forecast Financial Data Using Regression Analysis</i>
1420 - 1430	<i>Recap</i>
1430	<i>Lunch & End of Day Three</i>

Day 4 Thursday 26th of 2024

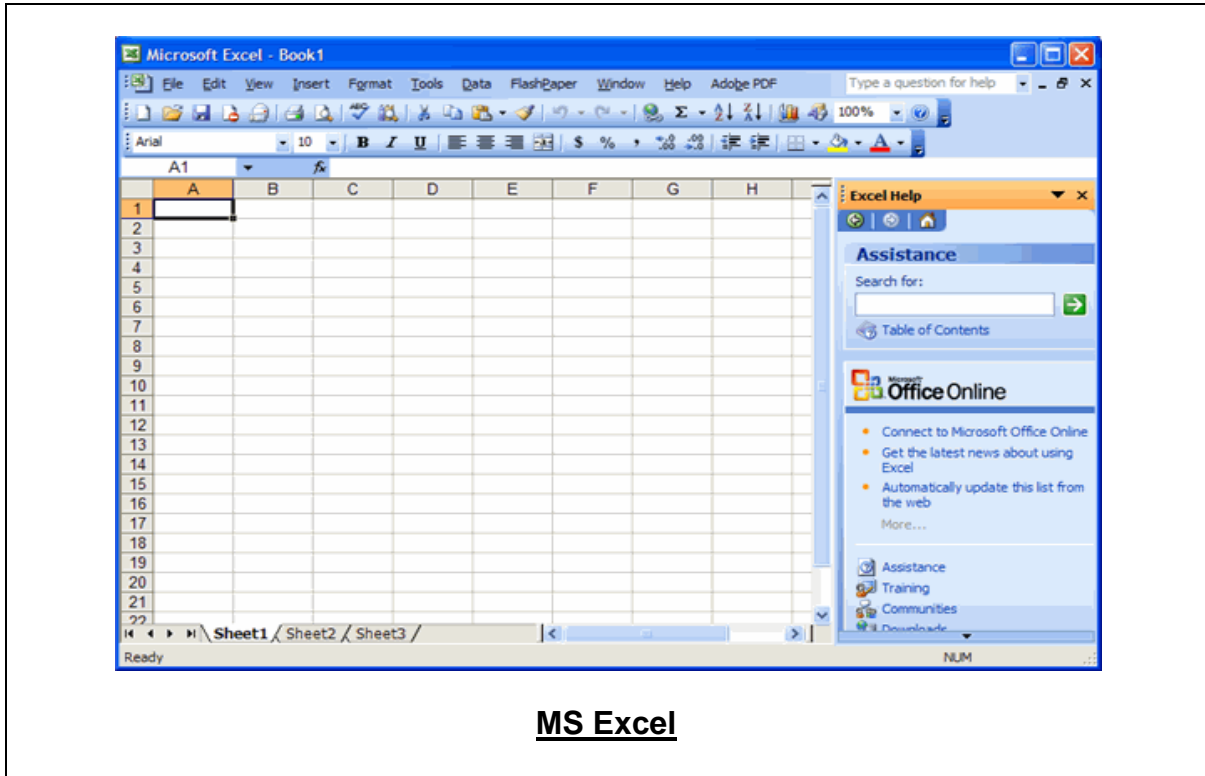
0730 – 0830	<i>The Art of Building Models</i>
0830 - 0930	<i>Identify the Key Points Necessary to Build a Model</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Describe the Art in Creating an Effective Model</i>
1100 – 1230	<i>Create a New Model Solving a Complex Business Problem</i>
1230 – 1245	<i>Break</i>
1245 - 1420	<i>Modelling Risk & Uncertainty</i>
1420 - 1430	<i>Recap</i>
1430	<i>Lunch & End of Day Four</i>

Day 5 Friday 27th of 2024

0730 – 0930	<i>Identify Uncertainty as It Exists in the Business World</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Develop Simple Techniques to Handle Uncertainty</i>
1100 – 1230	<i>Use Monte Carlo Simulations to Handle Uncertainty</i>
1230 – 1245	<i>Break</i>
1245 - 1345	<i>Use Option Pricing Models to Handle Uncertainty</i>
1345 – 1400	<i>Course Summary</i> <i>Prepare Models for Presentation • Summarize Points Learned in This Course</i>
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions

Practical sessions will be arranged for all participants throughout the course using **MS Office applications**.



Course Coordinator

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