

COURSE OVERVIEW FM0219
Financial Modeling

Course Title

Financial Modeling

Course Date/Venue

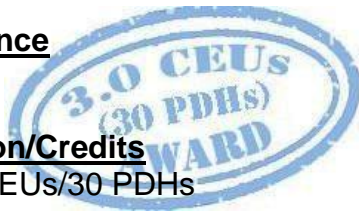
November 04-08, 2024/TBA Meeting Room,
 Royal Rose Hotel, Abu Dhabi, UAE

Course Reference

FM0219

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



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:



Mr. Dimitry Rovas, CEng, MSc, PMI-PMP, SMRP-CMRP is a **Senior Management & Financial Consultant** with extensive industrial experience in **Oil, Gas, Power and Utilities** industries. His expertise includes, **Finance Management, Budgeting & Forecasting, Accounting & Cost Control, Financial Planning Control & Performance Measurement, Financial Modelling, Financial Analysis, Finance for Non-Finance Personnel, Finance & Budgeting Skills, Budgeting & Costing** for Decision Making, **Financial & Accounting Management, Budgeting & Cost Control, Project Scheduling & Cost**

Control, Project Planning, Scheduling & Cost Control, Leadership & Change Management, Talent Management, Presentation Skills, Negotiation Skills, Interpersonal Skills, Communication Skills, Collaboration Skills, Developing Effective Partnership, Developing & Managing Budget, Technical Design & Development, Analytical & Troubleshooting Techniques, Interpersonal Skills, Leadership & Mentoring, Time Management, Performance Management, Strategic Planning & Analysis and Communication & Reporting Skills, Project Management, Construction Management, Project Management Planning & Control Techniques, Project Risk Management, Quality Management, Project Acceleration Techniques, Scope Control Management, Contract Management, Asset Management, Procurement & Purchasing Management, Warehousing, Quality Management System (QMS) and Business Management. Further, he is also well-versed in **Energy Conservation, Electricity Distribution Systems, Energy Saving, Combined Cycle Power Plant, Gas & Steam Turbines, Heat Transfer, Machine Design, Fluid Mechanics, Heating & Cooling Systems, Heat Insulation Systems and Heat Exchanger & Cooling Towers.** He was the **Project Manager** wherein he was managing, directing and controlling all activities and functions associated with the domestic heating/cooling facilities projects.

During his life career, Mr. Rovas has gained his practical and field experience through his various significant positions and dedication as the **EPC Project Manager, Contracts Manager, Finance Manager, Field Engineer, Preventive Maintenance Engineer, Researcher, Instructor/Trainer, Telecom Consultant and Consultant** from various companies such as the Podaras Engineering Studies, Metka and Diadikasia, S.A., **Hellenic Petroleum Oil Refinery** and COSMOTE.

Mr. Rovas is a **Chartered Engineer** of the **Technical Chamber of Greece**. Further, he has **Master's** degree in **Mechanical Engineering** and **Energy Production & Management** from the **National Technical University of Athens**. Moreover, he is a **Certified Instructor/Trainer**, a **Certified Maintenance and Reliability Professional (CMRP)** from the Society of Maintenance & Reliability Professionals (SMRP), a **Certified Project Management Professional (PMP)**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and a **Certified Six Sigma Black Belt**. He is an active member of Project Management Institute (PMI), Technical Chamber of Greece and Body of Certified Energy Auditors and has further delivered numerous trainings, seminars, courses, workshops and conferences internationally.

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, 04th of November 2024**

0730 – 0800	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	<i>Finance Theory as Used in Modelling</i>
0930 – 0945	<i>Break</i>
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	<i>Break</i>
1245 – 1420	<i>Creating Financial Models in Microsoft Excel®</i>
1420 – 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2 **Tuesday, 05th of November 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	<i>Break</i>
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	<i>Break</i>
1245 – 1420	<i>Prepare a Basic Model Using These Techniques</i>
1420 – 1430	Recap
1430	<i>Lunch & End of Day Two</i>

Day 3 Wednesday, 06th of November 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, 07th of November 2024

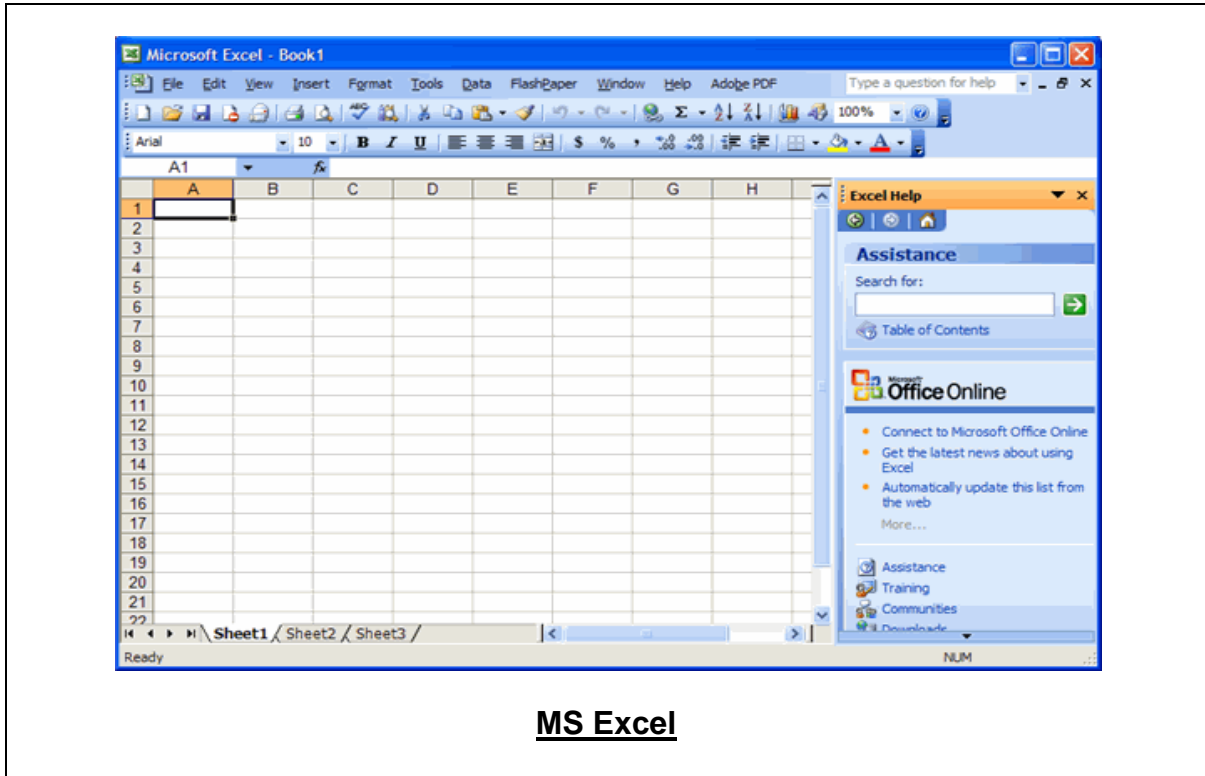
0730 – 0830	<i>The Art of Building Models</i>
0830 - 0930	<i>Identify the Key Points Necessary to Build a Model</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Describe the Art in Creating an Effective Model</i>
1100 – 1230	<i>Create a New Model Solving a Complex Business Problem</i>
1230 – 1245	<i>Break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

Day 5 Friday, 08th of November 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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