

COURSE OVERVIEW TM1125 Quantitative Decision Making in the Oil/Gas Industry

Course Title

Quantitative Decision Making in the Oil/Gas Industry

Course Date/Venue

Please see page 3

Course Reference

TM1125

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Description

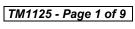




This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of Quantitative Decision Making in the Oil/Gas Industry. It covers the decision making in quantitative analysis, statistical oil/gas, concepts for decision making and decision trees in oil/gas; the data sources and quality in oil/gas and risk identification, classification and probability assessment techniques; expected value and variance, sensitivity and scenario analysis, portfolio decision making and real options analysis; and the discounted cash flow (DCF) analysis, cost-benefit and costeffectiveness analysis, production forecasting and decline curve analysis.

Further, the course will also discuss the optimization techniques and economic modeling under uncertainty; the cost of capital and hurdle rates, exploration risk analysis, reserves and resources estimation; the drilling decision analysis and production optimization decisions; and the facility sizing, investment timing, quantitative safety and environmental decisions.



















During this interactive course, participants will learn the asset modeling for decisions, quantitative decision support systems and communicating quantitative results; and the decision making techniques covering Delphi method, nominal group technique and managing bias in group settings.

Course Objectives

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

- Apply and gain a good working knowledge on quantitative decision making in the oil/gas industry
- Carryout decision making in oil/gas, quantitative analysis, statistical concepts for decision making and decision trees in oil/gas
- Identify data sources and quality in oil/gas and apply risk identification, classification and probability assessment techniques
- Recognize expected value and variance and apply sensitivity and scenario analysis, portfolio decision making and real options analysis
- Employ discounted cash flow (DCF) analysis, cost-benefit and costeffectiveness analysis, production forecasting and decline curve analysis
- Illustrate optimization techniques and economic modeling under uncertainty
- Identify cost of capital and hurdle rates and apply exploration risk analysis, reserves and resources estimation
- Carryout drilling decision analysis, production optimization decisions, facility sizing, investment timing, quantitative safety and environmental decisions
- Integrate asset modeling for decisions, recognize quantitative decision support systems and communicate quantitative results
- Apply decision making techniques covering Delphi method, nominal group technique and managing bias in group settings

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 conveniently saved in a Tablet PC.

Who Should Attend

This course provides an overview of all significant aspects and considerations of quantitative decision making in the oil/gas industry for project managers, operations managers, planning engineers, process engineers, reservoir engineers, supply chain professionals, financial analysts, business development managers, HSE managers involved in risk-based decisions, data analysts supporting oil/gas operations, senior supervisors and team leaders involved in strategic decisions, technical specialists engaged in project evaluation and optimization and other technical staff.













Course Date/Venue

Session(s)	Date	Venue
1	June 30-August 04, 2025	TBA Meeting Room, Grand Hyatt Athens, Athens, Greece
2	August 25-29, 2025	TBA Meeting Room, JW Marriott Hotel Madrid, Madrid, Spain
3	November 01-05, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
4	January 19-23, 2026	Hampstead Meeting Room, London Marriott Hotel Regents Park, London, UK

Course Fee

Dubai	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.
London/ Madrid/ Athens	US\$ 8,800 per Delegate + VAT . This rate includes H-STK [®] (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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.











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

Haward's certificates are accredited by the following international accreditation organizations: -



British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.



<u>The International Accreditors for Continuing Education and Training (IACET - USA)</u>

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.













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. Frederick Labuschagne, PhD, MBL, BA, BD, is a Senior Contracts & Project Manager with over 25 years of extensive experience. His expertise includes Contract Management, Project Management, Procurement Management, Document Control Process & Practical Solutions, Leadership & Business Management (Change Management, Paradigm & Paradigm Shifts); ISO 9001 Lead Auditor,

Project, **Finance** & Asset Management; Strategic Leadership & Planning; **Productivity** & Efficiency Improvements; Administration Skills Management; **Organisational** Management, Reinvention & Proficiency; **Risk** Management; Performance Management; Productive Change Management & Organizational Development; Production & Operations Management (Decision Analysis, **PERT CPM**, Facilities & Jobs Design, and Systems Improvement); **Human** Relations and Organizations; Work Study and Product **Improvement**.

Currently, Dr. Labuschagne is the **Lead Consultant** for the **Institute for Dynamic Interaction** where he spearheads **major international projects** and comprehensive presentations. Among these are sessions on Human Resource & Performance Management, **Emotional Intelligence**, **Strategic Planning** & Creative Thinking, Personal & Personnel Development, Team Building, Effective Communication, Presentation & Interpersonal Skills, and Habits of Highly Effective People. Herein, he has built an evident reputation for first-class motivational team leadership management, development & **mentoring**, conforming to effective performance, analysing progress as well as identifying development requirements.

Dr. Labuschagne has **PhD** and **Master** degrees in **Business Leadership**, a **BA** in **Management** and is a registered **MBTI** (Myers-Briggs Type Indicator) Consultant with the Consulting Psychologists & HR Development. Further, he has performed **numerous assessments** and **workshops** for renowned businesses, utilizing key success attributes in delivering feasible results & providing effective leadership.

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 workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

Day 1	
0730 – 0800	Registration & Coffee
0800 - 0815	Welcome & Introduction
0815 - 0830	PRE-TEST
	Introduction to Decision Making in Oil/Gas
0830 - 0930	Types of Decisions Across the Oil/Gas Value Chain • Role of Uncertainty &
	Risk in Decision Making • Economic versus Technical Decision Drivers • Case
	Examples of Key Industry Decisions
0930 - 0945	Break
	Principles of Quantitative Analysis
0945 - 1030	Structured Decision Processes • Types of Quantitative Models • Input Data
	Requirements • Limitations & Ethical Considerations
	Statistical Concepts for Decision Making
1030 - 1130	Probability Distributions (Normal Log-Normal Triangular) • Measures of
1030 - 1130	Central Tendency & Dispersion • Confidence Intervals & Hypothesis Testing •
	Correlation & Causation
	Decision Trees in Oil/Gas
1130 – 1215	Structure of Decision Trees • Assigning Probabilities & Outcomes •
1100 1210	Sensitivity Analysis in Decision Trees • Real-World Applications (e.g. Drilling
	Decisions)
1215 – 1230	Break
	Monte Carlo Simulation Basics
1230 – 1330	Monte Carlo Logic & Applications • Building Basic Simulation Models •
	Interpretation of Outputs • Common Pitfalls & Good Practices
1330 - 1420	Data Sources & Quality in Oil/Gas
	Types of Operational & Financial Data • Data Validation Techniques •
	Handling Missing/Incomplete Data • Importance of Data Integrity
1420 – 1430	Recap
	Using this Course Overview, the Instructor(s) will Brief Participants about the
	Topics that were Discussed Today and Advise Them of the Topics to be
	Discussed Tomorrow
1430	Lunch & End of Day One

Day 2

Day Z	
0730 - 0830	Risk Identification & Classification
	Operational Risk • Market & Price Risk • Political & Regulatory Risk •
	Environmental & Safety Risk
	Probability Assessment Techniques
0830 - 0930	Subjective versus Objective Probabilities • Eliciting Expert Judgment •
	Bayesian Updating in Oil/Gas Contexts • Use of Analogs & Historical Data
0930 - 0945	Break
0945 – 1100	Expected Value & Variance
	Calculating Expected Monetary Value (EMV) • Variance & Standard
	Deviation • Coefficient of Variation in Comparing Options • Using EMV for
	Ranking Projects













1100 – 1215	Sensitivity & Scenario Analysis Tornado Diagrams • One-Way versus Multi-Way Sensitivity • Scenario Building for Price & Cost Assumptions • Application to Field Development Plans
1215 - 1230	Break
1230 – 1330	Portfolio Decision Making Portfolio Theory in Oil/Gas Asset Management • Diversification Benefits • Correlation Between Projects • Portfolio Optimization Models
1330 – 1420	Real Options Analysis Introduction to Real Options in Oil/Gas • Types of Real Options (e.g. Expand Abandon Defer) • Valuation Methods (Decision Tree + Options) • Application Examples (e.g. Appraisal Wells Expansion Phases)
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Two

Day 3

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	Discounted Cash Flow (DCF) Analysis
0730 - 0830	Time Value of Money Concepts • Net Present Value (NPV) Calculation •
	Internal Rate of Return (IRR) • Payback Period & Profitability Index
	Cost-Benefit & Cost-Effectiveness Analysis
0830 - 0930	Cost Structure in Oil/Gas Projects • Direct versus Indirect Costs • Comparing
	Mutually Exclusive Projects • Break-Even Analysis
0930 - 0945	Break
	Production Forecasting & Decline Curve Analysis
0945 - 1100	Types of Decline Curves (Exponential Hyperbolic) • Building Forecasting
	Models • Incorporating Uncertainty in Forecasts • Use in Decision Making
	Optimization Techniques
1100 – 1215	Linear Programming Applications • Constrained Optimization • Case
	Production Allocation Optimization • Use of Optimization Software Tools
1215 - 1230	Break
	Economic Modeling Under Uncertainty
1230 - 1330	Stochastic Inputs in Economic Models • Probabilistic NPV • Generating
	Cumulative Probability Plots • Evaluating Upside/Downside Cases
	Cost of Capital & Hurdle Rates
1330 – 1420	WACC for Oil/Gas Companies • Country & Project-Specific Risk Premiums •
1330 - 1420	Hurdle Rates for High-Risk Regions • Sensitivity to Discount Rate
	Assumptions
1420 – 1430	Recap
	Using this Course Overview, the Instructor(s) will Brief Participants about the
	Topics that were Discussed Today and Advise Them of the Topics to be
	Discussed Tomorrow
1430	Lunch & End of Day Three













Day 4

Exploration Risk Analysis Play/Prospect Risk Assessment • Chance of Success (Geological Commercial) • Volumetric Risk Distributions • Aggregation of Prospect Risks	Day 4	
Volumetric Risk Distributions • Aggregation of Prospect Risks Reserves & Resources Estimation	0730 - 0830	Exploration Risk Analysis
Reserves & Resources Estimation P10 P50 P90 Concepts • Probabilistic Volumetrics • Resource Classification Frameworks (SPE PRMS) • Risk versus Uncertainty in Reserves Estimation 0930 - 0945 Break Drilling Decision Analysis Well Cost Uncertainty • Probability of Technical Success • Side-Track Decision Trees • Valuing Pilot Wells Production Optimization Decisions Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 - 1230 Break Facility Sizing & Investment Timing Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		
P10 P50 P90 Concepts • Probabilistic Volumetrics • Resource Classification Frameworks (SPE PRMS) • Risk versus Uncertainty in Reserves Estimation		Volumetric Risk Distributions • Aggregation of Prospect Risks
Frameworks (SPE PRMS) • Risk versus Uncertainty in Reserves Estimation 0930 – 0945 Break Optilling Decision Analysis Well Cost Uncertainty • Probability of Technical Success • Side-Track Decision Trees • Valuing Pilot Wells Production Optimization Decisions Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 – 1230 Break Facility Sizing & Investment Timing 1230 – 1330 Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Reserves & Resources Estimation
Drilling Decision Analysis	0830 - 0930	P10 P50 P90 Concepts • Probabilistic Volumetrics • Resource Classification
Drilling Decision Analysis Well Cost Uncertainty • Probability of Technical Success • Side-Track Decision Trees • Valuing Pilot Wells Production Optimization Decisions Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 - 1230 Break Facility Sizing & Investment Timing 1230 - 1330 Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Frameworks (SPE PRMS) • Risk versus Uncertainty in Reserves Estimation
Well Cost Uncertainty • Probability of Technical Success • Side-Track Decision Trees • Valuing Pilot Wells	0930 - 0945	Break
Decision Trees • Valuing Pilot Wells Production Optimization Decisions Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 - 1230 Break Facility Sizing & Investment Timing Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Drilling Decision Analysis
Production Optimization Decisions Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 - 1230 Break Facility Sizing & Investment Timing Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	0945 - 1100	Well Cost Uncertainty • Probability of Technical Success • Side-Track
1100 – 1215 Quantitative Lift Optimization • Surface versus Subsurface Constraints • Multi-Well Production Scenarios • Real-Time Data Integration 1215 – 1230 Break Facility Sizing & Investment Timing 1230 – 1330 Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Decision Trees • Valuing Pilot Wells
Multi-Well Production Scenarios • Real-Time Data Integration 1215 - 1230 Break Facility Sizing & Investment Timing Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Production Optimization Decisions
1215 – 1230 Break Facility Sizing & Investment Timing 1230 – 1330 Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	1100 – 1215	Quantitative Lift Optimization • Surface versus Subsurface Constraints •
1230 – 1330 Facility Sizing & Investment Timing Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Multi-Well Production Scenarios • Real-Time Data Integration
1230 – 1330 Sizing Under Demand Uncertainty • Expandable Facility Design Decisions • Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	1215 - 1230	Break
Timing of Investment (Now versus Later) • Use of Decision Analysis Tools Quantitative Safety & Environmental Decisions Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Facility Sizing & Investment Timing
1330 – 1420 Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	1230 - 1330	Sizing Under Demand Uncertainty • Expandable Facility Design Decisions •
Risk Matrices in HSE Decisions • Quantitative Consequence Analysis • Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Timing of Investment (Now versus Later) • Use of Decision Analysis Tools
Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Quantitative Safety & Environmental Decisions
Environmental Risk Modeling • Decision Making Under Regulatory Constraints Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	1220 1420	Risk Matrices in HSE Decisions • Quantitative Consequence Analysis •
Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be	1550 - 1420	Environmental Risk Modeling • Decision Making Under Regulatory
1420 – 1430 Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be		Constraints
Topics that were Discussed Today and Advise Them of the Topics to be	1420 – 1430	Recap
Topics that were Discussed Today and Advise Them of the Topics to be		Using this Course Overview, the Instructor(s) will Brief Participants about the
Discussed Tomorrow		Topics that were Discussed Today and Advise Them of the Topics to be
		Discussed Tomorrow
1430 Lunch & End of Day Four	1430	Lunch & End of Day Four

Day 5

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	Integrated Asset Modeling for Decisions
0730 - 0830	Linking Subsurface Surface & Economic Models • Benefits of Integrated
	Modeling • Uncertainty Propagation • Real-Time Model Updates
	Quantitative Decision Support Systems
0830 - 0930	Tools (e.g. @Risk Crystal Ball MATLAB) • Building Interactive Dashboards •
	Real-Time Scenario Evaluation • Data Visualization for Decisions
0930 - 0945	Break
	Communicating Quantitative Results
0945 - 1030	Presenting to Technical Audiences • Presenting to Executives • Storytelling
	with Data • Visual Aids & Pitfalls to Avoid
	Group Decision Making Techniques
1030 -1130	Delphi Method • Nominal Group Technique • Role of Facilitated Workshops •
	Managing Bias in Group Settings
1130 - 1230	Lessons Learned from Oil/Gas Case Studies
	Examples of Successful Quantitative Decisions • Examples of Failures & Root
	Causes • Quantitative versus Qualitative Balance • Continuous Improvement
	in Decision Processes











1230 - 1245	Break
1245 - 1345	Wrap-Up & Practical Exercises
	Group Simulation Exercise (Multi-Criteria Decision Making) • Hands-On
1243 - 1343	with Decision Tree Software • Discussion on Participants' Challenges • Action
	Planning for Applying Tools in the Workplace
	Course Conclusion
1345 – 1400	Using this Course Overview, the Instructor(s) will Brief Participants about the
	Course Topics that were Covered During the Course
1400 - 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org









