



## **Certified Risk Management CRM**

**Certified by the International Institute of Professional Education and Research (IIPER), USA**

### **4 Day Professional Certification Workshop**

**East Asia Training & Consultancy Pte Ltd** invites you to attend a four day professional certification workshop, leading to the Certified Risk Management CRM qualification, which is recognized in over 500 business schools around the world.

### **The IIPER, Accreditation, and CRM Worldwide Recognition**

The International Institute of Professional Education and Research (IIPER) is a global institute with partners and offices around the world including the United States, Switzerland, Hong Kong, Mexico, Portugal, Singapore, Nigeria, Malaysia, and others. IIPER's CRM certification is accredited by the National Certification Commission and IIPER is a member of the prestigious AACSB (Association for the Advancement of Collegiate Schools of Business). AACSB is one of the largest U.S. accreditation agencies recognized by the U.S. Department of Education, and has over 500 business schools around the world as its members. Further, IIPER's seminars are approved by the Project Management Institute (PMI) and participants can also obtain 30 professional development units (PDU) upon completion of the course. IIPER's International Standards Board comprises professors from various universities including Lehigh University (Pennsylvania), University of Applied Sciences (Switzerland), Naval Postgraduate School (California), University of Missouri (Kansas City), and others. IIPER also has strategic alliances and collaborations with various research institutions around the world.

### **CRM Training Style**

Our philosophy of the CRM is not to make you a world-famous expert on risk or know everything that there is to know about risk, but to make you an informed user. One who can ask the right questions and even perform some of the analysis. All analytical training in class will be software based, using Risk Simulator and Real Options SLS software.

The main benefits of our CRM program include:

- The right to use the "CRM" Designation after your name on your business card and on your promotional materials such as your resume.

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- This accumulation of detailed and advanced knowledge on risk analysis techniques which is a prerequisite for the CRM.
  - A rigorous 4-day training seminar on various advanced topics on risk analysis.

## Who Should Attend?

No matter what size your company is – at some stage or another – it will be exposed to risk! Are you qualified and ready to deal with the various risk exposures that may emerge due to economic or political situations?

Risk management has been used for many years to attain a forward view. Various previous techniques have had mixed reviews However it is now recognized that it is a certifiable discipline.

This certified CRM course addresses new approaches that have proved highly successful to global organizations.

This highly practical course has been specifically designed for:

- Corporate Treasury Managers in Banks and Corporations
- Risk Managers / Analysts
- Finance Managers
- Financial Controllers
- Finance Directors
- Accountants
- Dealers
- Market Risk Staff
- Brokers

Plus anyone who is responsible for analysing company financial risk and dealing with the various risk exposures that may affect your organization

## At the end of this practical and informative course, you will:

- Appreciate the benefits of accurate risk management
- Develop an integrated strategy for the identification, analysis, prioritisation and mitigation of risk
- Use risk analysis as a key business driver
- Comply with major risk management standards
- Successfully determine and avoid the common pitfalls in risk analysis
- Develop a comprehensive tool-kit for successful risk analysis that you can use immediately
- Become a Certified Risk Management

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## Prerequisite

The prerequisite for the CRM program is a minimum of a Bachelor's degree or its equivalent and 2 years of experience in financial analysis. Knowledge of basic Excel modeling is a plus but not required.

## Fees & Registration

Fee includes comprehensive course materials, data-sets, examination & certification fees for your CRM designation, luncheons, receptions and the opportunity to network with professionals in different industries across the world.

**The number of participants is restricted.** Please register early to guarantee your place. Please complete the official registration form and email it to us at [administrator@eastasiatc.com.sg](mailto:administrator@eastasiatc.com.sg) to reserve your place. Confirmation will only be made upon receipt of payment. Further instructions will be sent to confirmed participants.

This is a ‘hands-on’ workshop. Participants are required to bring your own laptops.

## MAS Financial Sector Development Fund (FSDF)

Participants may be eligible for Financial Sector Development Fund (FSDF) support on a case by case basis. Interested applicants should submit their applications to the FSDF Secretariat directly. For enquiries, please contact the FSDF secretariat at 65- 6229 9396 or via email at [fsdf@mas.gov.sg](mailto:fsdf@mas.gov.sg).

## Course Outline

### DAY 1

#### **Morning Session: 9:00 am to 12:00 pm**

##### **MODULE 1: Introduction to Risk Analysis**

Chapter 1: Introduction to the Training and what to expect

Chapter 2: How Are Business Decisions Made?

Chapter 3: What is Risk and Why Should Risk be considered?

Chapter 4: Overview of Risk Analysis Software Applications

#### **Lunch: 12:00 pm to 13:00 pm**

#### **Afternoon Session: 13:00 pm to 17:00 pm**

##### **MODULE 2: Monte Carlo Simulation with Risk Simulator**

Chapter 1: Overview of Risk Simulator Software

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Chapter 2: Profiling, Assumptions, Forecasts and Running Simulations

Chapter 3: Interpreting the Forecast Statistics

Chapter 4: Simulation Run Preferences and Seed Values

Chapter 5: Running Reports, Saving and Extracting Simulation Data

## **DAY 2**

**Morning Session: 9:00 am to 12:00 pm**

### **MODULE 3: Advanced Simulation Techniques**

Chapter 1: Correlating and Truncating Distributions

Chapter 2: Alternate Parameters

Chapter 3: Multidimensional Simulations

Chapter 4: Distributional Fitting

Chapter 5: Due Diligence and Pitfalls in Simulation

**Lunch: 12:00 pm to 13:00 pm**

**Afternoon Session: 13:00 pm to 17:00 pm**

### **MODULE 4: Simulation and Analytical Tools**

Chapter 1: Static Tornado and Spider Charts

Chapter 2: Dynamic Sensitivity Analysis

Chapter 3: Hypothesis Test on Different Distributions

Chapter 4: Nonparametric Bootstrap Simulation

## **DAY 3**

**Morning Session: 9:00 am to 12:00 pm**

### **MODULE 5: Forecasting**

Chapter 1: Overview of Forecasting Techniques and Data Types

Chapter 2: Forecasting Without Data

Chapter 3: Time-Series Analysis Forecasting

Chapter 4: Nonlinear Extrapolation

Chapter 5: Multivariate Regression Analysis

Chapter 6: Stochastic Processes

Chapter 7: Box-Jenkins ARIMA

**Lunch: 12:00 pm to 13:00 pm**

**Afternoon Session: 13:00 pm to 17:00 pm**

### **MODULE 6: Real Options Analysis: Theory and Background**

Chapter 1: Introduction to Real Options: What, Where, Who, When, How, and Why?

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Chapter 2: Sample Applied Business Cases

Chapter 3: Comparison between financial and real options

Chapter 4: Risk-Neutral Probability Technique

Chapter 5: Solving a Basic European and American Call Option

Chapter 6: Using Microsoft Excel to Solve a Basic European and American Call Option

Chapter 7: Solving Basic Abandonment, Expansion, Contraction, and Chooser Options

#### **DAY 4**

**Morning Session: 9:00 am to 12:00 pm**

##### **MODULE 7: Real Options Analysis: Application with SLS Software**

Chapter 1: Overview of the Different SLS Modules and Volatility Estimates

Chapter 2: Volatility Estimates

Chapter 3: Solving Options with Changing Inputs and Customized Exotic Options

Chapter 4: MSLS: Multiple Sequential Compound Options

Chapter 5: MNLS: Solving Mean-Reverting, Jump-Diffusion, and Dual-Asset Rainbow Options

Chapter 6: Framing Real Options—Structuring the Problem

Chapter 7: The Next Steps...

**Lunch: 12:00 pm to 13:00 pm**

**Afternoon Session: 13:00 pm to 17:00 pm**

##### **MODULE 8: Optimization with Risk Simulator**

Chapter 1: Introduction to Optimization

Chapter 2: Continuous Optimization

Chapter 3: Integer Optimization

#### **LIVE TEST**

Upon completion of our 4-day workshop and the successful completion of a live test administered on the last day, participants will be granted the CRM designation.