



Advanced VaR Modelling

Presented by ELIZABETH SHEEDY *BComm (UNSW), PhD (Macq.)*
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Course Synopsis

In the recent market turbulence VaR models at many financial institutions have performed poorly. Advanced VaR Modelling addresses the problems particularly important in times of market crisis: volatility clustering and failure of normality. The course will focus on quantitative tools for estimating Value-at-Risk (VaR) and Expected Tail Loss (ETL). The course is intended to meet the growing need in industry for quantitative analysts to model and control financial risks.

Course Content

The following concepts/techniques are taught: historical simulation, Monte Carlo simulation, GARCH models, heavy-tailed distributions, maximum likelihood estimation, model risk and back testing. Case studies and computer workshops will be used to illustrate and apply technical tools and models.

Designed for

Advanced VaR Modelling will primarily be of interest to risk management professionals employed by banks, regulators, fund managers, non-financial corporations and consulting firms. Professionals involved in risk management software development may also benefit, along with financial engineers and traders. Intending course participants should have work experience in financial risk management, should have an interest in and an aptitude for mathematical concepts and should be familiar with Excel spreadsheets.

Presenter

Dr Elizabeth Sheedy is Associate Professor at the Applied Finance Centre and has worked in the finance industry for a number of institutions including Macquarie Bank and Westpac. She co-edited *The Professional Risk Managers' Handbook*.

Course Outline

A detailed outline and presenter(s) biographies available from www.mafc.mq.edu.au/files/short_courses/outline_AVM.pdf

Details

When

Friday 3 April 2009
9.00 am to 4:30 pm

Venue

Macquarie University
Applied Finance Centre,
Sydney Office,
Level 3, 10 Spring Street,
SYDNEY NSW 2000

Cost (includes GST, Course Notes, Lunch)

\$ 1040	for individual attendees
\$ 925	for two or more from one organisation & RMA members
\$ 810	for MAFC students & graduates

Cancellation Three full working days notice is required for a 90% refund. You may substitute another person from your organisation if you cannot attend. MAFC reserves the right to cancel a course without liability for a full refund.

Confirmation Places are limited so bookings will be confirmed.

CPD This training course may contribute to your CPD requirements

Registration Form (including Tax Invoice & Receipt) • CMBF Limited (ABN 46 003 407 609)

This document becomes a tax invoice for GST purposes upon completion & payment. **Please photocopy and retain as a receipt for your records.**
Please e-mail enquiries to: shortcourses@mafc.mq.edu.au, telephone (02) 9223 6231, or visit our website at www.mafc.mq.edu.au

MAFC SHORT COURSE SERIES YOU ARE REGISTERING FOR: 'Advanced VaR Modelling' held in Sydney on Friday 3 April 2009 (held in partnership with PRMIA)

Registration details:

Title First Name Last Name

Fee requirement (regular) (bulk & RMA) (alumni)

(tick one only) \$1040 per person (incl. GST) \$925 per person (incl. GST) \$810 per person (incl. GST)

Preferred name on badge / deskplate

Company / Organisation Position

Company address

Telephone Facsimile

Email

List any special dietary requirements

Please assist us with the following:

How did you learn about this MAFC Short Course?

- Email Advertisement Website
- Word of mouth Other: _____

Completed forms to: Macquarie University Applied Finance Centre
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