

Registration

Name: _____

Company: _____

Designation: _____

Address: _____

Email: _____

Tel: _____ Fax: _____

Invoice Contact Person: _____

Programme Fee:

S\$3150 (5% GST inclusive) per participant.

The programme fee includes course materials.

Please refer to the Funding Options available under the FPP.

Crossed cheques are to be made payable to
"National University of Singapore".

Please send the completed registration form by _____ together with your payment to:

Ms Sharon Sun
NUS Risk Management Institute
National University of Singapore
Block S16, Level 5
6 Science Drive 2
Singapore 117546
Tel: 65163380
Fax: 68745430
Email: rmiss@nus.edu.sg
Website: www.rmi.nus.edu.sg

Registration Closing Date:

4th December, Monday 2006

Cancellations are not refundable although participants can be substituted.

NUS Risk Management Institute

The National University of Singapore (NUS) is partnering with the Haas School of Business at the University of California, Berkeley (UC Berkeley), to establish the Berkeley-NUS Risk Management Institute (RMI). This university-level institute will generate and disseminate leading knowledge on risk management through financial research, executive education and certification programmes. Located at NUS, the institute has been in operation since 1st August 2006.

RMI seeks to complement financial institutions' efforts to enhance their risk management expertise to meet the increasing complexity in financial services. Advances in risk management will also spur the development of new financial products and structures which will add to the depth and sophistication of the financial markets in Singapore and the region. The establishment of RMI is supported by the Monetary Authority of Singapore (MAS) under its Programme on Risk Management and Financial Innovation.

RMI will work closely with the financial industry to attract and train high calibre finance professionals and to generate strong major multi-disciplinary research programmes that are relevant to industry.

NUS Risk Management Institute

Certificate in Risk Management (Finance Preparatory Programme)

Date : 11 to 22 December 2006
8:30am to 5:30pm

Venue : CRB (#03-09)
Building S14
Faculty of Science
Science Drive 2
National University of Singapore

Speakers: NUS lecturers with experience in teaching
Financial Engineering, Quantitative Finance
and Risk Management.

RMI



Course Objectives

The objective of the Certificate in Risk Management Training Programme is to prepare job-ready students for entry into risk management positions at financial institutions.

Target Participants

Graduating students from Singapore-based Universities who have been offered jobs by Singapore-based financial institutions or aspire to work in the financial sector in Singapore.

Duration of Programme

2 weeks of full-day intensive training about 8 hours per day (8.30am – 5.30pm) from Monday to Friday.

Certification

Participants who have participated in the training program and passed the written examination will be awarded a certificate by the NUS RMI. An examination of 4 hours duration will be held on February 10, 2007.

Course Outline

Part I - Mathematical Foundations of Risk Measurement 11 to 13 December 2006

- **Calculus**
- **Linear Algebra**
- **Probability and Statistics**
- **Statistical Methods**
- **Numerical Methods**

Part II - Finance Theory and Financial Instruments 14, 15 and 18 December 2006

- **Time Value of Money and Term Structure of Interest Rates**
- **Characteristics of Bonds and Analysis of Bonds**
- **Risk and Risk Aversion**
- **Portfolio Mathematics**
- **Capital Allocation and CAPM**
- **Futures, Forwards and Options**
- **Basic Principles of Option Pricing**
- **Swaps, Caps and Floors**

Part III - Risk Management Practices 19 to 22 December 2006

- **Risk Management Process**
- **Market Risk Management**
- **Value at Risk Methods**
- **Advanced VaR Models**
- **Back Testing and Stress Testing**
- **Credit Exposure**
- **Credit Risk Management and Credit Risk Modelling**
- **Operational Risk Management**
- **Capital Allocation and Risk Adjusted Performance**
- **Economic and Regulatory Capital**
- **Case Studies in Risk Management**

Speakers

Yiu Man Chan is a senior lecturer in the Department of Statistics and Applied Probability in NUS. He received his PhD in Statistics from University of Toronto. His research interests are in applying statistical methods in areas of finance, business and engineering. He currently teaches in the Master of Financial Engineering Program at NUS.

Oliver Chen obtained his Ph.D. in Mathematics from the University of Toronto. His work on credit barrier models has been published in Risk, the Journal of Banking and Finance and Quantitative Finance. He has taught in the Master's of Mathematical Finance programmes at the University of Toronto and Imperial College London. He currently teaches in the Masters of Financial Engineering programme at NUS and is an Assistant Professor in the Mathematics Department.

Tiong Wee Lim is an Assistant Professor of Statistics and Applied Probability at the University of Singapore. Dr Lim holds a PhD degree in statistics from Stanford University. His teaching and research interests include data mining, statistical methods for finance, pricing and hedging of derivatives and portfolio allocation. Dr Lim has previously taught a course on exotic options in the MSc Program in Financial Engineering at the (then) Centre for Financial Engineering at NUS.

Kah Hwa Ng is the Deputy Director of the Risk Management Institute and the Program Director of MSc Financial Engineering Program at NUS. Prior to joining NUS, he was Senior Vice President at DBS Bank, in charge of Financial Engineering, Equity Derivatives and Asset Securitisation. He received his Ph.D. in finance from Columbia University. He has published numerous papers in Finance for international journals as well as books in banking and financial markets.

Hwee Huat Tan obtained his PhD in Applied Mathematics from The University of Adelaide, Australia in 1988 and has been lecturing at National University of Singapore where he is now an Associate Professor. He has a special interest in teaching various mathematical modules involving the use of computers for problem solving. These modules include various undergraduate modules at various levels in numerical analysis and operations research, and quantitative finance. He is also involved in teaching in the Masters of Financial Engineering Programme at the Risk Management Institute. His current research interests include topics in financial mathematics and quantitative finance, especially in pricing high dimensional American-style derivatives.

Albert Tsui is an Associate Professor at the Department of Economics, National University of Singapore. He specializes in actuarial science, fixed income and derivatives, financial economics and financial econometrics. He received his PhD from the University of Kentucky and became an Associate of the Society of Actuaries, USA and a fellow of the Royal Statistical Society, UK. He has published numerous papers in empirical finance and economics. Albert has acted as consultants to The Institute of Banking and Finance, Ministry of Foreign Affairs, Mapletree and Central Provident Fund Board.

The Finance Preparatory Programme (FPP)

1. The Finance Preparatory Programme (FPP)

The objective of the FPP is to enhance, in response to industry demand, the job-readiness of graduating students for entry into growth areas facing manpower shortages.

The FPP in Risk Management is the first programme under this initiative. It is an intensive 2-week course to prepare graduating students for entry into Risk Management positions at Financial Institutions (FIs). Participants of the programme who have successfully completed the course will be awarded a certificate by RMI.

2. FPP Funding Options

Graduating students who are hired by financial institutions for risk management positions may seek sponsorship from their financial institutions to attend this programme.

Graduating students who have not been hired for such positions may also apply to attend the programme. Such self-sponsored candidates may apply for funding support of 70% from the Financial Sector Development Fund (FSDF) administered by MAS, which will be disbursed only if the student secures employment with a Singapore-based financial institution in a position related to risk management, within 1 year of graduation.

3. FPP Registration Process

Students may indicate interest in the course by FIRST applying to the RMI and submitting a CV along with the registration form.

4. CVs for Financial Institutions

RMI will collate students' CVs for FIs' selection process. Students may be shortlisted for interviews and if hired, be sponsored for this programme.

5. FPP Funding Application

Please note that funding application by self-sponsored students **MUST** be submitted to MAS prior to or by course commencement date.

FSDF Funding Terms and Conditions

1a) FSDF FPP Funding Eligibility Criteria & Conditions:

- Applicants must be students from Singapore-based Universities.
- Applicants can be of any nationality but must be based in Singapore.
- Applicants must pass the relevant examinations and obtain the certificate where applicable, in order to qualify for the subsidy.
- Applicants must secure employment in relevant positions related to the area of preparatory training, not later than 1 year after graduating from their University.

1b) Quantum of Support

The level of support is as follows:

- 70% of course fees capped at S\$7,000
- 50% of basic salary subjected to a cap of S\$1,000 per month for a maximum of 3 months (applicable only to financial institutions that employ independent trainees within 3 months after they have completed the programme).

1c) Application Procedures

- Approval for FSDF funding is on a case-by-case basis, subjected to the fulfillment of all the eligibility criteria.
- Funding under the FSDF for approved applications will be disbursed on a reimbursement basis.
- Interested applicants should submit their applications to the FSDF Secretariat directly. Application forms may be obtained from FSDF Secretariat. For enquiries, please contact the FSDF secretariat at 6229-9396 or via email at fsdf@mas.gov.sg.

