

Course **Risk Management**

Semester Fall 2008

Instructor 曾郁仁

3366-1082 (Email: tzeng@ntu.edu.tw)

Office: II 709 (office hours by appointment)

References:: Risk-Based Capital, NAIC, 2003

Financial Institutions Management, Saunders and Cornett,
5th Edition, 2006

Integrated Risk Management, Doherty, 2003

Objectives

The course is designed for graduate students. The course can help students to understand the contemporary developments in techniques of risk management and how these techniques are used to identify, analyze and manage risks in financial institutions especially in insurance companies.

Course Outlines

Lectures

Risk in Financial Institutions

Interest Rate Risk/Credit Risk/Market Risk

Foreign Exchange Risk/Sovereign Risk/Liquidity Risk

Risk in Insurance

Investment Risks/ Credit Risks/ Underwriting Risks

Interest Rate Risks/ Reserve Risks/ Operation Risks

Risk Measurements

Moments/Stochastic Dominance

Covariance/Sensitivity

Value at Risk/Conditional Value at Risk

Risk Management in Financial Institutions

Liability and Liquidity Management/Deposit Insurance/Capital Adequacy

Diversification/Derivatives/Securitization

Risk Management in Insurance

ALM/Reinsurance/RBC

Diversification/Derivatives/Securitization

Grade

Your Score = 50% Midterm + 50% Report.