Actsc 634 Quantitative Risk Management

-Risk classification

-Actuarial models; model selection and designing solutions.

-Setting Assumptions

-Monitoring results.

-Risk management techniques; asset liability modelling and management.

-Economic capital and solvency.

-Monitoring experience

Notes: Actsc 633 and Actsc 634 together cover the learning objectives of subject CA1.

Textbooks: The course will draw from the textbook Understanding Actuarial Management, (Bellis, Shepherd and Lyon, eds), as well as professional standards, research papers, and material drawn from the SOA on-line learning modules 'Fundamentals of Actuarial Practice'.

Contact Hours: 36 lectures, 10 tutorials.

Assessment: 65% final exam (unseen); 15% midterm exam (unseen); 20% project/assignments.