

Risk Management in Insurance and Finance

MAST 881S(729D)/2, 01

Schedule:

Tuesday 11:45-13:00 and Thursday 11:45-13:00, in CC 105, Loyola Campus.

Instructor's contacting information:

- Name: Qi-He Tang
- Office: HB-206, Loyola Campus
- Telephone: 848-2424x5219
- E-mail: qtang@mathstat.concordia.ca
- Office Hours: Tuesday 13:30–15:30 and Thursday 13:30–15:30, or by appointment.

Outline:

In this course, we study some of the main methodological issues underlying risk management in the insurance and financial industry. Topics treated include coherent/distortion risk measures, stochastic ordering, comonotonicity, portfolio selection and optimal investment strategies, modelling extremal events, and so on.

The course aims to provide hints for interested students who want to deepen their knowledge in various areas of risk management. During the course, students will be directed to discuss a list of selected papers.

Course Evaluation:

- Three assignments counting for 30%,
- One mid-term examination counting for 30%, and
- One final project (summary + presentation) counting for the remaining 40% (= 20% + 20%).

There will be no 100% option for the final project.