Department of Mathematics

Solvency Analysis, 5 ECTS

The Department of Mathematics and the Open University at Åbo Akademi University offer a course on Solvency Analysis during the spring of 2012.

The lectures are given by Ph.D. Teppo Rakkolainen. Assistant in the course is Ph. Lic. Margrét Halldórsdóttir.

The course starts on **Friday, March 2, at 16.30 p.m**. and will be held on Fridays till the middle of May. In addition, exercise sessions will be held on Wednesdays.

The course consists of two parts: An introductory part (12 h lectures + 6 h exercises) given by Ph.Lic. Margrét Halldórsdóttir covering the necessary theory for the second part. **The second part** (15 h lectures) on Solvency given by Ph.D. Teppo Rakkolainen and (8 h exercises) given by Ph.Lic. Margrét Halldórsdóttir

Venue: Åbo Akademi, Department of Mathematics, Fänriksgatan 3 B, 20500 Turku

The exact time-table for the whole course can be seen at

http://users.abo.fi/mhalldor/solvency/Solvency_Analysis_%202012.pdf

The lectures will be given in English.

The emphasis of the course will be on the modeling and estimation of an Insurance Company's solvency. Different types of risk and their effect on the Company's solvency will be discussed. The course will start with a review of some of the central mathematical and statistical terms needed. For example Risk Measures, Value at Risk, Geometrical Brownian Motion, Itô´s formula, Derivatives.

We recommend the course for all those interested in the Insurance World and the changes in modeling, taxation and rules which arise because of the new Solvency System. The course should be of great use for those who aim for the SHV/SGF Actuarial Exam.

Prerequisite Courses: Probability Theory, Cum Laude in Mathematics

Please register to:

https://web.abo.fi/fc/anmalningsdb/

Registration is open **from 28.11.2011** and the Deadline is Friday **24.2.2012**. The course fee is 40 €.

For further information please contact: Margrét Halldórsdóttir (mhalldor at abo.fi).