

Statistical demography with insurance applications

A two-day course *Statistical demography with insurance applications* organized jointly by the Finnish Graduate School in Stochastics and Statistics (FGSS) and the Foundation for the Promotion of the Actuarial Profession (*Aktuaaritoiminnan kehittämissäätiö*) will be given by Professor Juha Alho (University of Joensuu) on **Monday, 10th December 2007** and **Monday, 17th December 2007** at University of Helsinki.

Course description and prerequisites

The course discusses basic demographic measures and their interpretation. Stable population theory is outlined and applications to pension funding are pointed out. Approaches to forecasting demographic rates are discussed, with emphasis on mortality. Aggregate risk caused by erroneous forecasts on the pricing of annuities and life insurance is described.

Number of study points (opintopisteet, op): 2–4 (as agreed with the lecturer)

Literature:

- [1] Juha M. Alho and Bruce D. Spencer: *Statistical Demography and Forecasting*, Springer (2005).

Schedule and location

Lectures take place 9:15 - 14:50 each day (Monday 10th and Monday 17th) in Lecture Hall 5, Aleksanterinkatu 7 (5th floor), Helsinki.

Teacher

Juha Alho

Registration and course material

Please register by sending email to

teppo.rakkolainen@tse.fi

Registration deadline is **26th October 2007**, if you wish to order a copy of the book *Statistical Demography and Forecasting* used as course material. Please mention on your registration email if you want to order the book. The book costs approximately 50 euros and there is no other course fee.

Registration after the deadline is possible, but in this case the book will not be provided by the organizers.

FGSS will reimburse 50 % of the cost of the book and all travel expenses to its Ph.D. students. Foundation for the Promotion of the Actuarial Profession will reimburse 50 % of the cost of the book for participants working in insurance industry and related fields.