Course Descriptions NonDegree 2015-2016

Course Title	Life Insurance II
Course Code	EBC4120
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
5	11-4-2016	3-6-2016	X			X	

Level	Advanced
Coordinator	Eric Beutner For more information:e.beutner@maastrichtuniversity.nl
Language of instruction	English
Goals	To become acquainted with statistical models that can be used in life insurance.
Description	The course aims at providing the students with statistical models that are useful in life insurance. We discuss methods to model mortality rates. A particular focus is on the Lee-Carter model and its extensions. We also learn how to estimate these models. Furthermore, students get an introduction to statistical models, in particular regression models, that are appropriate for lifetime distributions. For instance, we address the Cox-model, the AFT model and multiple decrement models. We then discuss how these models can be used to calculate life insurance premiums.
Literature	Research articles, the slides of the course.
Prerequisites	Probability Theory and Mathematical Statistics.
Teaching methods	PBL / Presentation / Lecture / Assignment
Assessment methods	Final Paper / Participation / Written Exam
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM

This course belongs to the following programme / specialisation

Master Econometrics and OR	Actuarial Science
Master Econometrics and OR	Econometrics & OR Electives
SBE Exchange Master	Master Exchange Courses
SBE Non Degree Courses	Master Courses