

## Course Descriptions None 2017-2018

Course Title	Life Insurance II																
Course Code	EBC4120																
ECTS Credits	6,5																
Assessment	None																
Period	<table border="1"> <thead> <tr> <th>Period</th> <th>Start</th> <th>End</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>16-4-2018</td> <td>8-6-2018</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	5	16-4-2018	8-6-2018	X			X	
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5	16-4-2018	8-6-2018	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 <a href="http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM">http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM</a>																
This course belongs to the following programme / specialisation	<table border="0"> <tr> <td>Master Econometrics and OR</td> <td>Actuarial Science</td> </tr> <tr> <td>Master Econometrics and OR</td> <td>Econometrics &amp; OR Electives</td> </tr> <tr> <td>SBE Exchange Master</td> <td>Master Exchange Courses</td> </tr> <tr> <td>SBE Non Degree Courses</td> <td>Master Courses</td> </tr> </table>	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								
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