

## Course Descriptions NonDegree 2018-2019

Course Title Topics in Computational Actuarial Methods  
 Course Code EBS4020  
 ECTS Credits 4,0  
 Assessment None

Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
3		14-1-2019	25-1-2019	C				

Level Advanced  
 Coordinator Eric Beutner For more information: [e.beutner@maastrichtuniversity.nl](mailto:e.beutner@maastrichtuniversity.nl)  
 Language of instruction English  
 Goals To provide an understanding of mathematical models useful in actuarial science and their implementation.  
 Description The goal of the course is to become familiar with mathematical models in actuarial science, their applications and, in particular, their implementation. Students learn, for example, how statistical packages can be used to handle large data sets and/or how statistical packages can be used to validate premium calculations.  
 Literature Research articles and slides of the course.  
 Prerequisites Probability Theory and Mathematical Statistics.  
 Teaching methods PBL / Lecture / Groupwork  
 Assessment methods Final Paper / Participation  
 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 Operations Research	Actuarial Science
Master Econometrics and Operations Research	Econometrics & OR Skill
SBE Exchange Master	Master Exchange Skills
SBE Non Degree Courses	Master Skills