

Course Descriptions None 2013-2014

Course Title	Dynamic Modelling																
Course Code	EBC2120																
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>4</td> <td>3-2-2014</td> <td>4-4-2014</td> <td>X</td> <td></td> <td>X</td> <td></td> <td>X</td> </tr> </tbody> </table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	4	3-2-2014	4-4-2014	X		X		X
Period	Start	End	Mon	Tue	Wed	Thu	Fri										
4	3-2-2014	4-4-2014	X		X		X										
Level	Advanced																
Coordinator	Ton Storcken For more information:t.storcken@maastrichtuniversity.nl																
Language of instruction	English																
Goals	In this course the student will learn to analyse and design dynamic models related to economic problems from a mathematical, statistical and empirical point of view.																
Description	<p>Course topics are</p> <ul style="list-style-type: none"> - linear difference and differential equations as well as systems of these, - an introduction to Optimal Control Theory, and - statistical and empirical analysis of dynamic econometric models. 																
Literature	<p>Lecture Notes of Difference and Differential Equations (ELEUM).</p> <p>Optimal Control Theory and Static Optimization in Economics, by D. Leonard and N. Van Long, Cambridge University Press, 1992 (chapters 2, 4, 6 and 7).</p> <p>Applied Econometric Time Series, Walter Enders, (3rd Edition), John Wiley, 2010.</p> <p>Time Series Analysis, J. Hamilton, Princeton University Press, 1994.</p>																
Prerequisites	All courses of the first and second year bachelor econometrics.																
Teaching methods	PBL / Lecture																
Assessment methods	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	Bachelor Econometrics and Operations Research Year 3 Compulsory Courses																