

## Course Descriptions NonDegree 2018-2019

Course Title	Business Analysis							
Course Code	EBC4104							
ECTS Credits	6,5							
Assessment	None							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	1	3-9-2018	26-10-2018		X		X	
	4	4-2-2019	5-4-2019		X		X	
Level	Advanced							
Coordinator	Alexander Grigoriev, Mathias Staudigl For more information:a.grigoriev@maastrichtuniversity.nl; m.staudigl@maastrichtuniversity.nl							
Language of instruction	English							
Goals	Knowledge of crucial theoretical tools for analysing the data and managerial decision making. Ability to translate a verbal fuzzy description of a business problem into the mathematical model.							
Description	<p>This course deals with a toolbox from econometrics and applied operations research. Particularly, the following quantitative methods are extensively discussed:</p> <ol style="list-style-type: none"><li>1. Forecasting</li><li>2. Regression analysis</li><li>3. Time series</li><li>4. Linear programming</li><li>5. Integer linear programming</li><li>6. Simulations</li><li>7. Multiobjective optimization</li></ol> <p>Besides, students learn how to read manuscripts on the level of current scientific standards, and give presentations using the advanced quantitative reasoning in managerial decision making.</p>							
Literature	J.E. Hanke and D.W. Wichern, Business forecasting, International Edition, Pearson Education. C.T. Ragsdale, Managerial Decision Modeling, Thomson South-Western. Research papers.							
Prerequisites	Moderate mathematical and statistical skills and ability to understand quantitative models and concepts. An advanced level of English.							
Teaching methods	PBL / Presentation / Assignment / Papers / Groupwork							
Assessment methods	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	Master Business Research				Methodology Electives			
	Master Business Research - Operations Research				Methodology Electives			
	Master International Business - Accountancy				Electives			
	Master International Business - Controlling				Electives			
	Master International Business - Entrepreneurship and SME Management				Electives			
	Master International Business - Information Management and Business Intelligence				Compulsory Courses			
	Master International Business - Organisation: Management, Change and Consultancy				Electives			
	Master International Business - Strategic Corporate Finance				Electives			
	Master International Business - Strategy and Innovation				Electives			
	Master International Business - Sustainable Finance				Electives			
	SBE Exchange Master				Master Exchange Courses			
	SBE Non Degree Courses				Master Courses			