

# Course Descriptions Master 2021-2022

Course Title	Business Analysis							
Course Code	EBC4104							
ECTS Credits	6,5							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	1	30-8-2021	15-10-2021					
	4	31-1-2022	25-3-2022					
Level	Advanced							
Coordinator	Alexander Grigoriev For more information:a.grigoriev@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	<p>J.E. Hanke and D.W. Wichern, Business forecasting, International Edition, Pearson Education.</p> <p>C.T. Ragsdale, Managerial Decision Modeling, Thomson South-Western.</p> <p>Research papers.</p>							
Prerequisites	<p>This course has been cancelled.</p> <p>The following rule applies to students who started one of the following programmes/specialisations prior to academic year 2020/21</p> <p>TRANSITIONAL REGULATION (EBC4104):</p> <p>* Master Business Research - No specialisation (Note: only if you are taking "Information Management and Business Intelligence" disciplinary courses!)</p> <p>* Master International Business - Information Management and Business Intelligence</p> <p>You can EITHER do the exam/resit of EBC4104 OR replace the course EBC4104 with "Data Analytics (IMBI/SCM)" (EBC4264).</p>							
Teaching methods	PBL / Presentation / Assignment / Papers / Groupwork / Research							
Assessment methods	Participation / Written Exam / Assignment							
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	Transitional Regulations			See prerequisites				