Course Descriptions None 2020-2021

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	31-8-2020	16-10-2020		X		X	
4	1-2-2021	26-3-2021		X		X	

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	PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. THE INFORMATION PROVIDED HERE IS BASED ON THE COURSE SETUP PRIOR TO THE CORONAVIRUS CRISIS. AS A CONSEQUENCE OF THE CRISIS, COURSE COORDINATORS MAY BE FORCED TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS. PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. THE INFORMATION PROVIDED HERE IS BASED ON THE COURSE SETUP PRIOR TO THE CORONAVIRUS CRISIS. AS A CONSEQUENCE OF THE CRISIS, COURSE COORDINATORS MAY BE FORCED TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS. This course deals with a toolbox from econometrics and applied operations research. Particularly, the following quantitative methods are extensively discussed: 1. Forecasting 2. Regression analysis 3. Time series 4. Linear programming 5. Integer linear programming 6. Simulations 7. Multiobjective optimization 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.
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	TRANSITIONAL REGULATION (EBC4104): Only for students who started one of the following programmes/specialisations prior to academic year 2020/21: * Master Business Research - No specialisation (Note: only if you are taking "Information Management and Business Intelligence" disciplinary courses!) * Master International Business - Information Management and Business Intelligence Education (last opportunity in 2020/21) + Exam/Resit (last opportunity in 2021/22) NOTE: You may replace this course with EBC4264
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 http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM

This course belongs to the following programme / specialisation

Transitional Regulations	See prerequisites