

## Course Descriptions None 2022-2023

Course Title Quantitative Methods III (IBE/INF)  
 Course Code EBS2027  
 ECTS Credits 4,0  
 Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
3	16-1-2023	27-1-2023	L	X		X	

Level Introductory/Intermediate  
 Coordinator Stan van Hoesel For more information:s.vanhoesel@maastrichtuniversity.nl

Language of instruction English

Goals Modelling and solving practical optimization problems with Excel.

Description PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS 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.

Linear Programming is one of the most important tools for decision making in business. It helps us whenever we want to optimize a decision under a set of constraints, like maximizing profit under limited resources, minimizing cost while satisfying demand, or deciding on an optimal financial investment plan. Two types of mathematical programming models are studied: linear programs and integer linear programs. Also, problems that have an interpretation as flows in networks are discussed. Models have to be implemented in Excel. That's why tutorial meetings take place in computer rooms.

Literature Reader provided on Eleum

Prerequisites Familiarity with EXCEL.  
 This is an obligatory skill for IBE and Infonomics students

Teaching methods PBL / Lecture / Skills / Coaching

Assessment methods Participation / Written Exam / Portfolio

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 Economics and Business Economics - Economics and Management of Information	Year 2 Compulsory Skill(s)
Bachelor Economics and Business Economics - International Business Economics	Year 2 Compulsory Skill(s)
SBE Exchange Bachelor	Bachelor Exchange Skills
SBE Exchange Master	Bachelor Exchange Skills
SBE Non Degree Courses	Bachelor Skills