

## Course Descriptions NonDegree 2023-2024

Course Title	Quantitative Methods III (IB/FE)							
Course Code	EBS2001							
ECTS Credits	4,0							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	3	15-1-2024	26-1-2024	C				
Level	Intermediate							
Coordinator	Daniel Velasquez Gaviria For more information:d.velasquezgaviria@maastrichtuniversity.nl							
Language of instruction	English							
Goals	<ul style="list-style-type: none"> <li>- Learn to recognize the opportunities to apply basic tools from inferential statistics in practical business situations.</li> <li>- Learn to implement these tools correctly, using the statistical software package SPSS.</li> <li>- Learn to interpret the results of such analyses correctly, and understand their limitations.</li> </ul>							
Description	This skills training is devoted to refreshing and actively applying the basic inferential tools introduced in the statistics part of typical first year quantitative methods courses: a.o. the one-sample t-test, the independent-samples t-test, the paired-sample t-test, one-way-ANOVA, the chi-square test and regression analysis. Six case studies using real-life datasets that reflect business problems from a.o. marketing and finance are examined extensively. The empirical analyses are performed with SPSS, a statistical software package widely used in professional practice.							
Literature	Sharpe, Norean R., Richard D. De Veaux and Paul F. Velleman (2019), Business Statistics and Extra Texts, 4th ed., New York: Pearson Education International, Maastricht University Edition.							
Prerequisites	<p>Basic principles from inferential statistics as discussed in typical first-year Quantitative Methods courses such as QM1 (code EBC 1005/1006/1007) and QM2 (code EBC 1033/1034/1035): basic probability theory, population versus sample, sampling distribution, point estimation, confidence intervals, type I error, regression analysis.</p> <p>Exchange students must have attended courses similar to QM1 and QM2 at their home university. If not, successful completion of QM3 is impossible.</p>							
Teaching methods	PBL / Lecture / Assignment							
Assessment methods	Attendance / 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	Bachelor Fiscal Economics				Year 2 Compulsory Skill(s)			
	Bachelor International Business				Year 2 Compulsory Skill(s)			
	SBE Exchange Bachelor				Bachelor Exchange Skills			
	SBE Exchange Master				Bachelor Exchange Skills			
	SBE Non Degree Courses				Bachelor Skills			