Course Descriptions None 2026-2027

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	11-1-2027	22-1-2027	C				

Level	Intermediate
Coordinator	Daniel Velasquez Gaviria For more information:d.velasquezgaviria@maastrichtuniversity.nl
Language of instruction	English
Goals	- Learn to recognize the opportunities to apply basic tools from inferential statistics in practical business situations. - Learn to implement these tools correctly, using the statistical software package SPSS. - Learn to interpret the results of such analyses correctly, and understand their limitations.
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	* 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. * Exchange students must have attended courses similar to QM1 and QM2 at their home university. If not, successful completion of QM3 is impossible.
Transitional Regulations	<ul class="trcohorts"> - Bachelor Fiscal Economics - In 2024-2025 and 2025-2026 education and exam/resit opportunities are offered. - In 2026-2027 exam/resit opportunities are offered. - From 2027-2028 onwards, the course is cancelled. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2024-2025 - 2025-2026</td><td>X</td><td>X</td><td> </td></tr><tr><td>2026-2027</td><td> </td><td>X</td><td> </td></tr><tr><td>2027-2028 onwards</td><td> </td><td> </td><td> </td></tr></tbody></table>
Teaching methods	PBL
Assessment methods	Attendance / Written Exam
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 Fiscal Economics	In transition - Year 2 Compulsory Skills
Bachelor International Business	Year 2 Compulsory Skills
SBE Exchange Bachelor	Bachelor Exchange Skills
SBE Exchange Master	Bachelor Exchange Skills
SBE Non Degree Courses	Bachelor Skills