# Course Descriptions None 2026-2027

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| Course Title | Methods and Methodology* |
| Course Code | EBC4122 |
| ECTS Credits | 6,5 |
| Assessment | Whole/Half Grades |

Period

| Period | Start | End | Mon | Tue | Wed | Thu | Fri |
|---|---|---|---|---|---|---|---|
| 1 | 31-8-2026 | 16-10-2026 | | X | | X | |

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| Level | Advanced |
| Coordinator | Tjark Vredeveld For more information:t.vredeveld@maastrichtuniversity.nl |
| Language of instruction | English |
| Goals | At the end of this course, the students can use several quantitative techniques necessary for the management and improvement of the supply chain. |
| Description | This course focuses on mathematical techniques for managing and improving the supply chain. These techniques include data analysis and forecasting techniques. Moreover, to streamline the supply chain several optimisation techniques from operations research are being taught.<br>Language of instruction : English. |
| Literature | * Rob J Hyndman and George Athanasopoulos. Forecasting: Principles and Practice (3rd ed). Available at: https://otexts.com/fpp3<br>* Hadley Wickhama and Garrett Grolemund, R for Data Science: Import, Tidy, Transform, Visualize, and Model Data 1st Edition. Available at: https://r4ds.had.co.nz/ |
| Prerequisites | Basics in linear programming, statistics and familiarity with Excel. |
| Transitional Regulations | |
| Teaching methods | PBL / Presentation / Assignment / Groupwork |
| Assessment methods | Final Paper / Participation / 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 | | |
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| | Master Global Supply Chain Management and Change | Compulsory Courses |