# Course Descriptions None 2016-2017

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| 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 | 5-9-2016 | 28-10-2016 | | X | | X | |
| 4 | 6-2-2017 | 7-4-2017 | | X | | X | |

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| Level | Advanced |
| Coordinator | Alexander Grigoriev, Mathias Staudigl For more information:a.grigoriev@maastrichtuniversity.nl; m.staudigl@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 | This course deals with a toolbox from econometrics and applied operations research. Particularly, the following quantitative methods are extensively discussed:<br>1. Forecasting<br>2. Regression analysis<br>3. Time series<br>4. Linear programming<br>5. Integer linear programming<br>6. Simulations<br>7. Multiobjective optimization<br>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.<br>C.T. Ragsdale, Managerial Decision Modeling, Thomson South-Western.<br>Research papers. |
| Prerequisites | Moderate mathematical and statistical skills and ability to understand quantitative models and concepts.<br>An advanced level of English. |
| Teaching methods | PBL / Presentation / Assignment / Papers / 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 Business Research | Methodology Electives |
| Master Business Research Track OR | Methodology Electives |
| Master International Business Track Accountancy | Electives |
| Master International Business Track Controlling | Electives |
| Master International Business Track Entrepreneurship | Electives |
| Master International Business Track Finance | Electives |
| Master International Business Track Information Management and Business Intelligence | Information Management & Business Intelligence |
| Master International Business Track Organisation | Electives |
| Master International Business Track Strategy and Innovation | Electives |
| Master International Business Track Sustainable Finance | Electives |
| SBE Exchange Master | Master Exchange Courses |
| SBE Non Degree Courses | Master Courses |