

## Course Descriptions None 2013-2014

Course Title	Analysis II																
Course Code	EBC1032																
ECTS Credits	4,0																
Assessment	Whole/Half Grades																
Period	<table border="1"> <thead> <tr> <th>Period</th> <th>Start</th> <th>End</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>3-2-2014</td> <td>4-4-2014</td> <td>X/E</td> <td></td> <td>X/E</td> <td></td> <td></td> </tr> </tbody> </table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	4	3-2-2014	4-4-2014	X/E		X/E		
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4	3-2-2014	4-4-2014	X/E		X/E												
Level	Intermediate																
Coordinator	Thijs Jansen For more information:m.jansen@maastrichtuniversity.nl																
Language of instruction	English																
Goals	<p>Can check the topological properties of a subset of the plane.            Know how to prove that a function of two variables is continuous.            Be able to apply the Implicit Function of Theorem.            Know how to prove that a function of two variables has a directional derivative or is (totally) differentiable.            Learn to solve constrained and unconstrained optimisation problems.</p>																
Description	Functions of more than one variable, series, multiple integrals.																
Literature	Syllabus.																
Prerequisites	<p>- differential and integral calculus for functions of one variable (as, for instance, in the course Analysis 1)            - elementary linear algebra (as, for instance, in the course Linear Algebra).            An advanced level of English.</p>																
Teaching methods	Lecture / Assignment																
Assessment methods	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	<table border="0"> <tr> <td>Bachelor Econometrics and Operations Research</td> <td>Year 1 Compulsory Courses</td> </tr> <tr> <td>SBE Exchange Bachelor</td> <td>Bachelor Courses</td> </tr> <tr> <td>SBE Exchange Master</td> <td>Bachelor Courses</td> </tr> <tr> <td>SBE Non Degree Courses</td> <td>Bachelor Courses</td> </tr> </table>	Bachelor Econometrics and Operations Research	Year 1 Compulsory Courses	SBE Exchange Bachelor	Bachelor Courses	SBE Exchange Master	Bachelor Courses	SBE Non Degree Courses	Bachelor Courses								
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