Course Descriptions None 2013-2014

Course Title	Analysis II
Course Code	EBC1032
ECTS Credits	4,0
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
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	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.
Description	Functions of more than one variable, series, multiple integrals.
Literature	Syllabus.
Prerequisites	- 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.
Teaching methods	Lecture / Assignment
Assessment methods	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 Econometrics and Operations Research	Year 1 Compulsory Courses
SBE Exchange Bachelor	Bachelor Courses
SBE Exchange Master	Bachelor Courses
SBE Non Degree Courses	Bachelor Courses