

School of Mathematics

Module MA2321 — Analysis in several real variables

2009-10

(SF Mathematics, SF Theoretical Physics, JS & SS Two-subject Moderatorship)

Lecturer: Prof. David Simms

Requirements/prerequisites: prerequisites: 113

Duration: Michaelmas term, 11 weeks

Number of lectures per week: 3 lectures including tutorials per week

Assessment:

End-of-year Examination: This module will be examined jointly with MA2322 in a 3-hour examination in Trinity term, except that those taking just one of the two modules will have a 2 hour examination.

Description: Derivative as a linear operator, partial derivatives, C^1 functions are differentiable, equality of mixed partials, inverse function theorem, implicit function theorem. May also include multilinear algebra.

See first half of previous module 224. Refer to <http://www.maths.tcd.ie/pub/official/Courses08-09/224.html>

May 1, 2009