School of Mathematics

Module MA2322 — Calculus on manifolds 2009-10
(SF Mathematics, SF Theoretical Physics, JS & SS Two-subject Moderatorship)

Lecturer: Prof. David Simms

Requirements/prerequisites: prerequisite: MA2321

Duration: Hilary 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 MA2321 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: Integration of forms on surfaces/manifolds, Poincaré lemma, general Stokes theorem.

See second half of previous module 224. Refer to [http://www.maths.tcd.ie/pub/official/Courses08-09/224.html](http://www.maths.tcd.ie/pub/official/Courses08-09/224.html)

May 1, 2009