

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>

May 1, 2009