School of Mathematics

Module MA1122 — Analysis on the real line
( JF Mathematics, JF Theoretical Physics & JF Two-subject Moderatorship )

2009-10

Lecturer: Dr. Paschalis Karageorgis

Requirements/prerequisites: 10 credits, prerequisite: MA1121

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

Duration: Hilary term, 11 weeks

Assessment:

End-of-year Examination: This module will be examined jointly with MA1121 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: (Preliminary.) Intermediate Value Theorem (if not in MA1121), Rolle, Mean Value Theorem, Riemann integral, fundamental theorem of calculus, inverse functions, a formal approach to standard transcendental functions, Taylor’s theorem.

April 30, 2009