School of Mathematics

Module MA1122 — Analysis on the real line (JF Mathematics, JF Theoretical Physics & JF Two-subject Moderatorship) 2010-11

Lecturer: Dr. Paschalis Karageorgis

Requirements/prerequisites: 10 credits, prerequisite: MA1121

Duration: Hilary term, 11 weeks

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

Assessment:

ECTS credits: 10

End-of-year Examination: 3 hour end of year 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.

July 27, 2011