

School of Mathematics**Module MA1121 — Concepts of analysis**

2009-10

(JF Mathematics, JF Theoretical Physics & JF Two-subject Moderatorship)

Lecturer: Dr. Paschalis Karageorgis**Requirements/prerequisites:****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 MA1122 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.) Simple formal treatment of the real numbers, functions as rules (injective, surjective, inverses), ε - δ definition of limits of functions, limits of sequences and sums of series, definition of derivative.

April 30, 2009