School of Mathematics

Course 1E1 – Engineering Mathematics 1 2000-01
(JF Engineers & JF MSISS)

Lecturer: Dr. Brendan Owens

Requirements/prerequisites: None

Duration: 24 weeks

Number of lectures per week: 3, including 1 tutorial

Assessment: Weekly homework, exams after each term (see below for grading)

End-of-year Examination: Yes (3 hour)

Description: (First 8 chapters of textbook)

- Limits and Continuity

- Derivatives

- Applications of Derivatives

- Integration

- Applications of Integration

- Transcendental Functions and Differential Equations

- Techniques of Integration

- Infinite Series

Textbooks:
Thomas' Calculus (10th edition), Addison Wesley Longman 2001(!).
Grading:

Homework	5%			
Michaelmas Exam	20%	OR	Homework	5%
Trinity Exam	20%		Final Exam	95%
Final Exam	55%			

October 10, 2000