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:

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<tr>
<th>Homework</th>
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<tr>
<td>Michaelmas Exam</td>
<td>20% OR</td>
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<tr>
<td>Trinity Exam</td>
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<td>Final Exam</td>
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October 10, 2000