School of Mathematics

Course 123 - Mathematical Methods course for JF Natural Sciences.   2006-2007
(JF Natural Sciences)

Lecturer: O. Constantin

Requirements/prerequisites: None

Duration: 24 weeks

Number of lectures per week: 2 + 1 problems class

Assessment: See below

End-of-year Examination: See below

Michaelmas term
Inequalities, Lines and circles, graphs, functions, limits and continuity, differentiation.
Hilary Term
Trigonometry, stationary points, inverse functions, integration, Fundamental Theorem of Calculus.
Trinity Term
Logarithms and the exponential function, further integration, geometric series, linear algebra, matrices and determinants.
   For further information see `http://www.maths.tcd.ie/~olivia/123`
Assessment:

Grading:

1. Frequent problem sheets (which do not contribute to the final mark).

2. Multiple-choice test at the end of Michaelmas and Hilary term. 3 hour examination at the end of Trinity term.

   There will be a computer project during Hilary term. The contributions to the final mark are as follows: :

Michaelmas term test	10%
Hilary term test	10%
Computer project	10%
Final exam	70%

November 8, 2006