School of Mathematics

Course 061 — Computing   2008-09
(JF Mathematics, Theoretical Physics, Two-subject Moderatorship, & JF Science)

Lecturer: Prof. R. Timoney

Requirements/prerequisites: None

Duration: 2 terms

Number of lectures per week: No lectures, practicals only

Assessment: Assignments

End-of-year Examination: None
The course has 4 main aims:

- To introduce the student to Unix computer systems in general, and to the Unix system in the School of Mathematics in particular.

- To offer a taste of the software facilties that may be useful

- To introduce the programming (html or php; C or C++)

- To introduce the LaTeX system for printing mathematics.

The course is entirely practical in character. At the end of the course you should be able to use a Unix system with confidence; should be able to use the spreadsheets for simple data organisation tasks; to use Mathematica for basic calculus and linear algebra computations; for accessing the World-Wide-Web, and for other purposes; should be able to create a basic web page and write simple programs in C++; and should be able to present mathematical documents in LaTeX.

November 8, 2008