

The University of Sydney
School of Mathematics and Statistics
MATH 3974: FLUID DYNAMICS
(Advanced)

2009

LECTURER: Dr David Galloway (Carslaw 712, dave@maths.usyd.edu.au) Lectures will be held at 12-1pm on Tuesdays, Wednesdays and Thursdays in Carslaw LT 175. There is one tutorial per week on Tuesdays at 9-10am in Carslaw 360, starting in week 2.

COURSE DESCRIPTION A description of the course is to be found in the Third Year Maths Handbook (see the Mathematics web-pages www.maths.usyd.edu.au/u/UG/SM).

COURSE MATERIALS: A set of handwritten notes is available from Kopystop, Mountain Street (off Broadway). The lectures will follow the notes, though the presentation will vary somewhat for the sake of variety.

ASSESSMENT: Assessment will be by three assignments worth 10% each (due at the ends of weeks 5, 9 and 13), and a two hour examination worth 70%. The assignments are an integral part of the course and are mostly based on material which can be researched in books or discovered on the Web. Past experience has shown that there is an excellent correlation between those who do (or don't do) the assignments and those who pass (or fail) the course. The lecturer is willing to provide help to anyone struggling.

CONSULTATIONS: There are no formal consulting hours but I will normally be happy to see students at any time where I am not otherwise occupied with something specific. Students are therefore encouraged to drop in, or to book a specific time by e-mail if preferred.

REFERENCE BOOKS: A list of books appears in the back of the notes.

WEB PAGE: This can be accessed from outside the School via the School's web pages www.usyd.edu.au/u/UG/SM. The web pages will include exercise sheets (which are also in the notes), and solutions (which are not). There are four sheets which are treated in sequence in the tutorials, but with no week-by-week assignation of particular problems.