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## M2AM: Fluids and Dynamics

Spring Term 2012

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**Summary:** This is an (optional) 2nd year course in applied mathematics. In previous years it has been presented by two different lecturers as a combination, almost in equal parts, of two earlier courses M2A2 and M2A3.

Note: This year the presentation will be slightly different in that the material will be presented by a single lecturer and will focus more on the previous course M2A3.

M2AM is a useful preliminary course for all students wishing to focus on applied mathematics courses in their third (and fourth) years of study. However, it is not a prerequisite for any of them.

**Lecturer:** Prof. Darren Crowdy [d.crowdy@imperial.ac.uk](mailto:d.crowdy@imperial.ac.uk)

**Office:** 612 Huxley

**Lectures:** To be held at the following times and places:

- Tuesdays 10:00–11:00 (Huxley 130)
- Wednesdays 11:00–12:00 (Huxley 139)
- Thursdays 16:00–17:00 (Huxley 130)

**Problems sheets:** Problem sheets will be made available at the website:

[www2.imperial.ac.uk/~dgcrowdy](http://www2.imperial.ac.uk/~dgcrowdy) (click on “Classes”).

Model solutions to these problems will be made available in due course.

**Problems classes:** Tuesdays 11-12pm (in Huxley 130).

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### Basic information:

There is no assessed coursework (for either the fluids or dynamics portions).

Problem sheets will be distributed periodically. These will not be formally assessed but students should attend the above problems classes to ensure they can answer all questions on the problem sheets.

There will be a single final examination in the summer term.