Set Theory
Useful and interesting set theory
Harold Simmons

The preliminary information

This session will start soon.
There will be a break in the middle.
The session ends at 11.00.

[In Pussy/SetTheoryLectures/00 Written 21 September 2012]
The course

There are two sessions per week.

Monday: 9.00 – 11.00 in G108.
This will be a lecture + an example class.
Typically this will be a short example class,
following by a lecture,
following by the rest of the example class.

Wednesday: 11.00 – 12.00 in G108.
This will be a lecture.

The syllabus —- The following are/will be available in the web.
The Notes

There is a set of notes and these are available from the web.

I will tell you how to get these in a moment.

The notes will NOT be given out in lectures.

You must pull them yourself and have them with you in lectures.

The notes are written in six documents and I will tell you which you need for the forthcoming lecture.

The notes contain many exercises, and solutions will be available about two weeks after the lectures.
How to find the notes

Go to MIMS/SCHOOL...

and then one of

Postgraduate/Taught courses/Set Theory

or

Undergraduate/Course units/Level 4/Set theory

and then you can pull the pdf.
First couple of weeks

A-Basics This set of notes gathers together all the preliminary ideas, notation, and terminology we need.

We won’t go through these bit by bit. I will explain what is needed when it is needed.

Pull these immediately.

B-Cardinals The material for the first three or four lectures.

Pull these immediately.

Each set of notes contains a collection of

Exercises Problems

The idea is that the Exercises are ‘routine’ but the Problems are more difficult.
Take Home Tests

The first one handed out on Monday 22 October.
To be handed in Monday 05 November

The second one handed out on Wednesday 21 November.
To be handed in Wednesday 05 December

There will be no extensions