

Calculus **without** Limits

Frightened of maths?

Did not do mathematics in high school? Found it difficult? Here is an opportunity! As part of a project to make math easy, the USM School of Mathematical Sciences is offering an experimental new course on calculus without limits.

- Group targeted to students from arts, communications, education, humanities, HBP, languages, management, and social sciences.
- Course will run for only 10 weeks.
- Certificate of proficiency on successfully completing the course.
- Hurry! Limited seats. Contact: Nur Atiqah Jamaluddin, School of Mathematical Sciences, Universiti Sains Malaysia.
Tel: 04-653-3481. Email: nuratiqah@notes.usm.my.
- Course starts on Monday, 23 Aug 2010; thereafter, every Monday, 5 p.m.-6.30 p.m., in Lab 3, School of Mathematical Sciences.

What will you learn?

- Basic concepts of calculus on a new philosophy.
- How to do symbolic manipulations and numerical calculations using a computer. (Free software provided.)

Outcomes

At the end of the course you should be able to do the following math problems in a jiffy (using a computer):

- Evaluate most derivatives and integrals.
- Numerically solve ordinary differential equations, and analyse the solutions.
- Apply this knowledge to mathematical models, math teaching etc.

