UNIVERSITY OF
BATH

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MA20010: Vector Calculus and Partial Differential Equations
Information Sheet

Lectures: Tuesday 4.15pm in the Univ. Hall   Thursday 4.15pm in the Univ. Hall

Tutorials:
Monday 10.15am in 8W2.8	(Tut/01)		Monday 3.15pm in 8W2.23	(Tut/05)
Monday 11.15am in 8W2.8	(Tut/02)		Monday 4.15pm in 8W2.23	(Tut/06)
Monday 4.15pm in 8W2.8	(Tut/03)		Monday 11.15am in 4E2.56	(Tut/07)
Monday 9.15am in 1W3.15	(Tut/04)		Tuesday 1.15pm in 1W2.7	(Tut/08)

Assessment: Exam **75%**   Assessed Coursework **25%**

IMPORTANT! The 25% assessed coursework will be made up of **two class tests** to be held on **Tuesday, 31st October** and **28th November**, at **5.15pm** in the **University Hall**. The class tests will consist of questions taken from or similar to the weekly problem sheets. **Therefore do these sheets regularly and do not fall behind with them!**

Problem sheets will be handed out each week in lectures on Thursday. They will be due in at **1pm the Thursday of the following week**. Please put the solutions to the questions on the problem sheets in the folder provided by **your tutor**. The tutors will inform you in the first tutorial what their office numbers are. See the list on the notice board outside the Department Office, if you do not know your tutor group yet. **If the tutorial clashes with another lecture you have, you can go to the Department Office and ask to be moved. Otherwise you will HAVE to go to the tutorial you have been assigned to.**

Important Note: In addition to the weekly problem sheets there will be several **computer based quizzes** available on the **new AIM server**. An induction to this system will take place on **Tuesday, 3rd October** at **5.15pm** in the **University Hall**.

These quizzes are meant to help you revise and I urge you to do them!

Main Textbook:	**D.E. Bourne and P.C. Kendall**, *Vector Analysis and Cartesian Tensors* (1st, 2nd, or 3rd edition), Stanley Thornes, Cheltenham, 1999. (11 copies in library, `514.33BOU`, Level 4) **[Waterstones: £31.99]**
	C. Constanda, *Solution Techniques for Elementary Partial Differential Equations*, Chapman & Hall, 2002. (1 copy in the library, 3 copies on order, `513.74CON`, Level 4) **[Waterstones: £19.99]**
Other Useful Textbooks:	**H. Anton, I. Bivens, and S. Davis**, *Calculus*, Wiley, New York, 2002.
	M.R. Spiegel, *Vector Analysis and an Introduction to Tensor Analysis*, Schaum's outline series, McGraw-Hill, 1959. (12 copies in library)
	J. D. Logan, *Applied Partial Differential Equations*, Springer, 1998.
Course webpage:	`www.maths.bath.ac.uk/∼masrs/ma20010/home.html`

I hope you will enjoy the course. If you have any problems please do not hesitate to see me at the end of a lecture or email me.

Robert Scheichl   3rd October 2006.