MATH 322/323 Module 1 Cartesian Tensors Mar 5 – May 5 2014

Timetable

Week	1	2	3	4	5	6	7
Start	Mar 3	Mar 10	Mar 17 Assignment 1 due	Mar 24 Assignment 2 due	March 31	Apr 7 Assignment 3 due	April 14
Mon 14:10-15:00	Intro lecture	L3	L5	L7	L9	Spare	L11
Tues 14:10-15:00	L1 Assignment 1 set	L4 Assignment 2 set	L6 Assignment 3 set	L8 Assignment 4 set	L10	spare	T6
Weds 14:10-15:00	L2	Spare	Spare	Spare	Spare	Spare	Spare
Tutorial Fri 14:10-15:00	T1	T2	T3	T4	T5	Spare / Spare	Assignment 4 due Thursday 17 April

Assignments and tutorial exercises

All assignments due 5pm on day of week shown.

Essay due 5pm Monday 5 May

Assessment Summary

Assignment 1 20%	Index notation; Rotational transformations; Euler vector
Assignment 2 20%	Prove Kronecker is a tensor; lead rubber bearing, stress force across a plane
Assignment 3 20%	Strain gauges – principal axes, simple shear
Assignment 4 20%	Hooke's Law, tensor calculus
Essay 20%	**due 5 May.**