Calculus III *Calendar*
MA213:007–008 *Fall 2004*

Text *Calculus* third edition, by James Stewart.
Calendar The calendar below gives the dates of exams and a tentative schedule for the sections we hope to cover.
The material to be covered will be specified in more detail by assignment sheets which will be handed out during the semester.

Wed, 25 Aug	Preview and review
Fri, 27 Aug	§11.1 Three dimensional coordinate systems
Mon, 30 Aug	§11.2 Vectors
Wed, 1 Sep	§11.3 The dot product
Fri, 3 Sep	§11.4 The cross product
Mon, 6 Sep	*Labor day*
Wed, 8 Sep	§11.5 Equations of lines and planes
Fri, 10 Sep	§11.7 Vector functions and space curves
Mon, 13 Sep	§11.8 Arc Length and curvature
Wed, 15 Sep	§11.9 Motion in space: velocity and acceleration
	Last day to drop
Fri, 17 Sep	§12.1 Functions of several variables
Mon, 20 Sep	§12.2 Limits and continuity
Wed, 22 Sep	§12.3 Partial derivatives
Fri, 24 Sep	
Mon, 27 Sep	Review
Wed, 29 Sep	First hour exam.
Fri, 1 Oct	*Fall break*
Mon, 4 Oct	§12.4 Tangent planes and differentials
Wed, 6 Oct	§12.5 The chain rule
Fri, 8 Oct	§12.6 Directional derivatives
Mon, 11 Oct	§12.7 Maximum and minimum value
Wed, 13 Oct	§12.8 Lagrange Multipliers
Fri, 15 Oct	
Mon, 18 Oct	§13.1 Double integrals over rectangles
Wed, 20 Oct	§13.2 Iterated integrals
Fri, 22 Oct	§13.3 Double integrals over general regions
	Last day to withdraw.
Mon, 25 Oct	§13.4 Double integrals in polar coordinates
Wed, 27 Oct	§13.5 Applications of double integrals
Fri, 29 Oct	§13.6 Surface area
Mon, 1 Nov	
Tue, 2 Nov	Election day, no classes
Wed, 3 Nov	Review
Fri, 5 Nov	Exam
	James Clerk Maxwell died on 5 November 1879.

Mon, 8 Nov	§14.1 Vector fields
Wed, 10 Nov	§14.2 Line integrals
Fri, 12 Nov	§14.3 The fundamental theorem for line integrals
Mon, 15 Nov	§14.4 Green's theorem
Wed, 17 Nov	
Fri, 19 Nov	§14.5 Curl and divergence
Mon, 22 Nov	§14.6 Parametric surfaces and their areas
Wed, 24 Nov	
25-26 Nov	*Thanksgiving holiday*
Mon, 29 Nov	§14.7 Surface integrals
Wed, 31 Nov	§14.8 Stokes theorem
Fri, 3 Dec	§14.9 The divergence theorem
Mon, 6 Dec	
Wed, 8 Dec	
Fri, 10 Dec	*Review*
Thu, 13 Dec	*Final exam*, 1-3pm, CB 349

August 24, 2004