

11. Infinite sequences and series	第一週 2/28, 3/2	2/28 和平紀念日放假	
	第二週 3/7, 3/9	11.1	Sequences
		11.2	Series
		11.3	The Integral Test and Estimates of Sums
		11.4	The Comparison Tests
	第三週 3/14, 3/16	11.5	Alternating Series
		11.6	Absolute Convergence and the Ratio and Root Tests
		11.7	Strategy for Testing Series
	第四週 3/21, 3/23	11.8	Power Series
		11.9	Representations of Functions as Power Series
	第五週 3/28, 3/30	11.10	Taylor and Maclaurin Series
11.11		Applications of Taylor Polynomials	
Chapter 12	12.6	Cylinders and Quadric Surfaces	
13. Vector functions	3/31 補上課	13.1	Vector Functions and Space Curves
	第六週 4/4, 4/6	13.2	Derivatives and Integrals of Vector Functions
		4/4 兒童節放假 4/6 調整放假(於3月31日星期六補上班、上課)	
14. Partial derivatives	第七週 4/11, 4/13	13.3	Arc Length and Curvature
		14.1	Functions of Several Variables
	第八週 4/18, 4/20	14.2	Limits and Continuity
		14.3	Partial Derivatives
		14.4	Tangent Planes and Linear Approximation
	第九週 4/25, 4/27	14.5	The Chain Rule
		14.6	Directional Derivatives and the Gradient Vector
	第十週 5/2, 5/4	14.7	Maximum and Minimum Values
		14.8	Lagrange Multipliers
	緩衝時間		
期中考 5/5(六) 09:00~11:30 考試範圍 11.1~14.8(英文命題)			
15. Multiple integrals	第十一週 5/9, 5/11	15.1	Double Integrals over Rectangles
		15.2	Double Integrals over General Regions
		15.3	Double Integrals in Polar Coordinates
	第十二週 5/16, 5/18	15.4	Applications of Double Integrals
		15.5	Surface Area
		15.6	Triple Integrals
	第十三週 5/23, 5/25	15.7	Triple Integrals in Cylindrical Coordinates
		15.8	Triple Integrals in Spherical Coordinates
		15.9	Change of Variables in Multiple Integrals
16. Vector calculus	第十四週 5/30, 6/1	16.1	Vector Fields
		16.2	Line Integrals
		16.3	The Fundamental Theorem for Line Integrals
	第十五週 6/6, 6/8	16.4	Green's Theorem
		16.5	Curl and Divergence
		16.6	Parametric Surfaces and Their Areas
	第十六週 6/13, 6/15	16.7	Surface Integrals
		16.8	Stokes' Theorem
		16.9	The Divergence Theorem
	第十七週 6/20, 6/22	16.10	Summary
緩衝時間			
期末考 6/23(六) 09:00~11:30 考試範圍 15.1~16.10(英文命題)			