

11. Infinite sequences and series	第一週 2/22, 2/24	11.1	Sequences	
		11.2	Series	
		11.3	The Integral Test and Estimates of Sums	
		11.4	The Comparison Tests	
	第二週 3/1, 3/3	11.5	Alternating Series	
		11.6	Absolute Convergence and the Ratio and Root Tests	
		11.7	Strategy for Testing Series	
	第三週 3/8, 3/10	11.8	Power Series	
		11.9	Representations of Functions as Power Series	
	第四週 3/15, 3/17	11.10	Taylor and Maclaurin Series	
		11.11	Applications of Taylor Polynomials	
12. Vectors and the geometry of space		12.6	Cylinders and Quadric Surfaces	
13. Vector functions	第五週 3/22, 3/24	13.1	Vector Functions and Space Curves	
		13.2	Derivatives and Integrals of Vector Functions	
		13.3	Arc Length and Curvature	
14. Partial derivatives	第六週 3/29, 3/31	14.1	Functions of Several Variables	
		14.2	Limits and Continuity	
		14.3	Partial Derivatives	
		14.4	Tangent Planes and Linear Approximation	
	第七週 4/5, 4/7	4/5(三)溫書假		
		14.5	The Chain Rule	
		14.6	Directional Derivatives and the Gradient Vector	
	第八週 4/12, 4/14	14.7	Maximum and Minimum Values	
		14.8	Lagrange Multipliers	
		緩衝時間		
期中考 4/15(六) 09:00~11:30 考試範圍 11.1~14.8(英文命題)				
15. Multiple integrals	第九週 4/19, 4/21	15.1	Double Integrals over Rectangles	
		15.2	Double Integrals over General Regions	
		15.3	Double Integrals in Polar Coordinates	
	第十週 4/26, 4/28	15.4	Applications of Double Integrals	
		15.5	Surface Area	
			緩衝時間	
	第十一週 5/3, 5/5	15.6	Triple Integrals	
		15.7	Triple Integrals in Cylindrical Coordinates	
15.8		Triple Integrals in Spherical Coordinates		
16. Vector calculus	第十二週 5/10, 5/12	15.9	Change of Variables in Multiple Integrals	
		16.1	Vector Fields	
	第十三週 5/17, 5/19	16.2	Line Integrals	
		16.3	The Fundamental Theorem for Line Integrals	
	第十四週 5/24, 5/26	16.4	Green's Theorem	
		16.5	Curl and Divergence	
	第十五週 5/31, 6/2	16.6	Parametric Surfaces and Their Areas	
		16.7	Surface Integrals	
	第十六週 6/7, 6/9	16.8	Stokes' Theorem	
		16.9	The Divergence Theorem	
		16.10	Summary	
	第十七週 6/14, 6/16	緩衝時間		
期末考 6/17(六) 09:00~11:30 考試範圍 15.1~16.10(英文命題)				