

章節	週次	課程進度	
11. Infinite Sequences and Series	第一週 2/25、2/27	[11.1] Sequences	
		[11.2] Series 2/27(五)和平紀念日遇例假日補假	
	第二週 3/4、3/6	[11.3] The Integral Test and Estimates of Sums	
		[11.4] The Comparison Tests	
		[11.5] Alternating Series [11.6] Absolute Convergence and the Ratio and Root Tests	
	第三週 3/11、3/13	[11.7] Strategy for Testing Series	
		[11.8] Power Series [11.9] Representations of Functions as Power Series	
	第四週 3/18、3/20	[11.10] Taylor and Maclaurin Series	
		[11.11] Applications of Taylor Polynomials 緩衝時間	
	12. Vectors and the Geometry of Space	第五週 3/25、3/27	[12.6] Cylinders and Quadric Surfaces [13.1] Vector Functions and Space Curves
	13. Vector Functions		[13.2] Derivatives and Integrals of Vector Functions [13.3] Arc Length and Curvature
	14. Partial Derivatives	第六週 4/1、4/3	4/1(三) 溫書假
4/3(五) 溫書假			
第七週 4/8、4/10		[14.1] Functions of Several Variables	
		[14.2] Limits and Continuity	
		[14.3] Partial Derivatives [14.4] Tangent Planes and Linear Approximations [14.5] The Chain Rule	
第八週 4/15、4/17		[14.6] Directional Derivatives and the Gradient Vector	
		[14.7] Maximum and Minimum Values	
第九週 4/22、4/24		[14.8] Lagrange Multipliers 緩衝時間	
	期中考 4/25 (六) 13:30~16:00 考試範圍: 11.1~14.8 (英文命題)		

15. Multiple Integrals	第十週 4/29、5/1	[15.1] Double Integrals over Rectangles
		[15.2] Iterated Integrals
		[15.3] Double Integrals over General Regions
	第十一週 5/6、5/8	[15.4] Double Integrals in Polar Coordinates
		[15.5] Applications of Double Integrals
		[15.6] Surface Area
第十二週 5/13、5/15	[15.7] Triple Integrals	
	[15.8] Triple Integrals in Cylindrical Coordinates	
	[15.9] Triple Integrals in Spherical Coordinates	
16. Vector Calculus	第十三週 5/20、5/22	[15.10] Change of Variables in Multiple Integrals
		緩衝時間
		[16.1] Vector Fields
	第十四週 5/27、5/29	[16.2] Line Integrals
		[16.3] The Fundamental Theorem for Line Integrals
		[16.4] Green's Theorem
	第十五週 6/3、6/5	[16.5] Curl and Divergence
		[16.6] Parametric Surfaces and Their Areas
		[16.7] Surface Integrals
	第十六週 6/10、6/12	[16.8] Stokes' Theorem
[16.9] The Divergence Theorem		
[16.10] Summary		
[17.1] Second-Order Linear Equations		
17. Second-Order Differential Equations	第十七週 6/17、6/19	[17.2] Nonhomogeneous Linear Equations
		緩衝時間
		期末考 6/19 (五) 09:00~11:30 考試範圍: 15.1~17.2 (英文命題)