Stewart, Calculus: Early Transcendentals 第八版

1052 微甲06-10班

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
12. Vectors and the geometry of space	第四週 3/15, 3/17	11.10	Taylor and Maclaurin Series
		11.11	Applications of Taylor Polynomials
		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	
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
	期中考 4/22(六) 09:00~11:30 考試範圍 11.1~14.8(英文命題)		
	第十週 4/26, 4/28	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
		16.2	Line Integrals
	第十三週 5/17, 5/19	16.3	The Fundamental Theorem for Line Integrals
		16.4	Green''s Theorem
	第十四週 5/24, 5/26	16.5	Curl and Divergence
		16.6	Parametric Surfaces and Their Areas
	第十五週 5/31, 6/2	16.7	Surface Integrals
		16.8	Stokes'' Theorem
	第十六週 6/7, 6/9	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) 13:30~16:00 考試範圍 15.1~16.10(英文命題)			