

1072 微甲01-10班

第一週 2/23(六)補3/1(五)的課	12.6	Cylinders and Quadric Surfaces	
	13.1	Vector Functions and Space Curves	
	13.2	Derivatives and Integrals of Vector Functions	
第二週 3/1(五)調整放假	13.3	Arc Length and Curvature	
	13.4	Motion in Space: Velocity and Acceleration (*)	
第三週	14.1	Functions of Several Variables	
	14.2	Limits and Continuity	
	14.3	Partial Derivatives	
第四週	14.4	Tangent Planes and Linear Approximation	
	14.5	The Chain Rule	
	14.6	Directional Derivatives and the Gradient Vector	
第五週	14.7	Maximum and Minimum Values	
	14.8	Lagrange Multipliers	
第六週	15.1	Double Integrals over Rectangles	
	15.2	Double Integrals over General Regions	
	15.3	Double Integrals in Polar Coordinates	
第七週 4/3(三)溫書假 4/5(五)民族掃墓節	緩衝時間(4/1(一)甲09-10班要上課喔~)		
第八週	15.4	Applications of Double Integrals (*)	
	15.5	Surface Area	
	15.6	Triple Integrals	
第九週	15.7	Triple Integrals in Cylindrical Coordinates	
	15.8	Triple Integrals in Spherical Coordinates	
	15.9	Change of Variables in Multiple Integrals	
期中考 4/20(六) 09:00~11:30 考試範圍 12.6~15.9(英文命題)			
第十週	16.1	Vector Fields	
	16.2	Line Integrals	
	16.3	The Fundamental Theorem for Line Integrals	
第十一週	16.4	Green's Theorem	
	16.5	Curl and Divergence	
	16.6	Parametric Surfaces and Their Areas	
第十二週	16.7	Surface Integrals	
	16.8	Stokes' Theorem	
	16.9	The Divergence Theorem	
第十三週	16.10	Summary	
	11.1	Sequences	
	11.2	Series	
第十四週	11.3	The Integral Test and Estimates of Sums	
	11.4	The Comparison Tests	
	11.5	Alternating Series	
第十五週	11.6	Absolute Convergence and the Ratio and Root Tests	
	11.7	Strategy for Testing Series	
	11.8	Power Series	
第十六週 6/7(五)端午節	11.9	Representations of Functions as Power Series	
	11.10	Taylor and Maclaurin Series	
	11.11	Applications of Taylor Polynomials	
第十七週	17.1	Second-Order Linear Equations (*)	(01-02班教過)
	17.2	Nonhomogeneous Linear Equations (*)	(01-02班教過)
期末考 6/15(六) 09:00~11:30 考試範圍 Ch11+Ch16(英文命題)			

微積分 3	第一週	12.6	Cylinders and Quadric Surfaces
		13.1	Vector Functions and Space Curves
		13.2	Derivatives and Integrals of Vector Functions
	第二週 2/28(四)和平紀念日	13.3	Arc Length and Curvature
		13.4	Motion in Space: Velocity and Acceleration (*)
	第三週	14.1	Functions of Several Variables
		14.2	Limits and Continuity
		14.3	Partial Derivatives
	第四週	14.4	Tangent Planes and Linear Approximation
		14.5	The Chain Rule
		14.6	Directional Derivatives and the Gradient Vector
	第五週	14.7	Maximum and Minimum Values
		14.8	Lagrange Multipliers
	第六週	15.1	Double Integrals over Rectangles
		15.2	Double Integrals over General Regions
		15.3	Double Integrals in Polar Coordinates
	第七週 4/2(二)溫書假 4/4(四)兒童節	緩衝時間(4/1(一)經濟系要上課喔~)	
	第八週	15.4	Applications of Double Integrals (*)
		15.5	Surface Area
15.6		Triple Integrals	
第九週	15.7	Triple Integrals in Cylindrical Coordinates	
	15.8	Triple Integrals in Spherical Coordinates	
	15.9	Change of Variables in Multiple Integrals	
期考 4/20(六) 09:00~11:30 考試範圍 12.6~15.9(英文命題)			
微積分 4	第十週	16.1	Vector Fields
		16.2	Line Integrals
		16.3	The Fundamental Theorem for Line Integrals
	第十一週	16.4	Green's Theorem
		16.5	Curl and Divergence
		16.6	Parametric Surfaces and Their Areas
	第十二週	16.7	Surface Integrals
		16.8	Stokes' Theorem
		16.9	The Divergence Theorem
	第十三週	16.10	Summary
		11.1	Sequences
	第十四週	11.2	Series
		11.3	The Integral Test and Estimates of Sums
		11.4	The Comparison Tests
	第十五週	11.5	Alternating Series
		11.6	Absolute Convergence and the Ratio and Root Tests
		11.7	Strategy for Testing Series
	第十六週	11.8	Power Series
		11.9	Representations of Functions as Power Series
11.10		Taylor and Maclaurin Series	
第十七週	11.11	Applications of Taylor Polynomials	
	17.1	Second-Order Linear Equations (*)	
17.2	Nonhomogeneous Linear Equations (*)		
期考 6/15(六) 09:00~11:30 考試範圍 Ch11+Ch16(英文命題)			

1072 模組班02班

微積分3	第一週	12.6	Cylinders and Quadric Surfaces
		14.1	Functions of Several Variables
		14.2	Limit and Continuity
	第二週 2/28(四)和平紀念日	14.3	Partial Derivatives
		14.4	Tangent Planes and Linear Approximation
	第三週	14.5	The Chain Rules
		14.6	Directional Derivatives and the Gradient Vector
	第四週	14.7	Maximum and Minimum Values
		14.8	Lagrange Multipliers
	第五週	14.8	Lagrange Multipliers
		15.1	Double Integrals over Rectangles
	第六週	15.2	Double integrals over General Regions
		15.4	Applications of Double Integrals (*)
	第七週 4/2(二)溫書假 4/4(四)兒童節	15.6	Triple Integrals (with Applications in Statistics)
		15.9	Change of Variables in Multiple Integrals
	第八週		Geometric Series
			Taylor's Theorem
第九週		Taylor Series	
期考 4/20(六) 09:00~11:30 (英文命題)			
微積分4 - - 在經濟商管的應用	第十週	11.1	Sequences and Completeness of the Real Numbers
		11.2	Series
	第十一週	11.3	The Integral Test and Estimates of Sums
		11.4	The Comparison Tests
		11.5	Alternating Series
	第十二週	11.6	Absolute Convergence and the Ratio and Root Tests
		11.8	Power Series
		11.9	Representations of Functions as Power Series
	第十三週		Constrained Optimization: Inequality Constraints
			Constrained Optimization: Mixed Constraints
	第十四週		Kuhn-Tucker Formulation (and Shadow Prices)
			Envelope Theorems
	第十五週		Constrained Optimization: Second Order Conditions
			Constraint Qualifications
	第十六週		Concave and Convex Functions
	第十七週		Concave Programming
	期考 6/15(六) 09:00~11:30 (英文命題)		