96 學年下學期微積分甲統一教學一組進度表

下學期:多變數微積分						
單元	週次		授課內容			
Chapter 9 & Section 11.10		2/20(三)	9.1 Slope Fields and Separable Differential Equations 9.2 First-Order Linear Differential Equations			
	-	· · · · · · · · · · · · · · · · ·	9.2 First-Order Linear Differential Equations			
			9.3 Euler's Method 9.4 Graphical Solutions of Autonomous Differential Equations			
			5.4 Graphical Solutions of Autonomous Billerential Equations			
	二		9.5 Applications of First-Order Differential Equations			
			11.10 Applications of Power Series, Example 3 & 4			
		2/29(五)	★2/29下午停課。(為佈置 3/1.3/2 碩士班招生的考場)			
Chapter 10	三	3/5(三)	10.5 Polar Coordinates			
			10.5 Polar Coordinates10.6 Graphing in Polar Coordinates			
			10.7 Areas and Lengths in Polar Coordinates			
01 10 0		3/7(五)	12.4 The Cross Product			
Chapter 12 & Section 13.1			12.5 Lines and Planes in Space			
		3/12(三)	12.6 Cylinders and Quadric Surfaces			
	四		12.6 Cylinders and Quadric Surfaces 13.1 Vector Functions			
		3/14(五)	14.1 Functions of Several Variables			
			14.2 Limits and Continuity in Higher Dimensions			
Cl . 14	五	3/19(三)	14.3 Partial Derivatives			
			14.4 The Chain Rule			
		3/21(五)	14.5 Directional Derivatives and Gradient Vectors			
Chapter 14	六	3/26(三)	14.6 Tangent Planes and Differentials			
		9/90(T)	14.7 Extreme Values and Saddle Points			
		3/ 20(LL)	14.8 Lagrange Multipliers			
	セ	4/2(三)	14.9 Partial Derivatives with Constrained Variables			
		4/4(五)	14.10 Taylor's Formula for Two Variables			
		4/9(三)	★4/4 民族掃墓節(放假一天)			
	八	4/11(五)	15.1 Double Integrals 複習 Chapter 14			
			複音 Chapter 14			
	九	4/16(三)	後日 Chapter 14 4/16 (三) 期中考 【範圍:9.1~9.5,11.10 Ex3&4, 10.5~10.7, 12.4~12.6, 13.1,第14章】			
		4/18(五)	15. 2 Areas, Moments, and Centers of Mass			
C1 / 1F 0			15. 3 Double Integrals in Polar Form			
Chapter 15 & Section 13.3	+	4/00/ ->	15.4 Triple Integrals in Rectangular Coordinates			
			15.5 Masses and Moments in Three Dimensions			
			15.6 Triple Integrals in Cylindrical and Spherical Coordinates			
	+		15.7 Substitutions in Multiple Integrals			
	_	5/2(五)	複習 Chapter 15			

Chapter 16			13.3 Arc Length and the Unit Tangent Vector T 16.1 Line Integrals
	+	5/7(三)	16.2 Vector Fields, Work, Circulation, and Flux
	二	E/0(T)	16.3 Path Independence, Potential Functions, and Conservative
		5/9(五)	Fields
	+	5/14(三)	16.4 Green's Theorem in the Plane
	Ξ	5/16(五)	16.5 Surface Area and Surface Integrals
	+	5/21(三)	16.6 Parametrized Surfaces
	四	5/23(五)	16.7 Stokes' Theorem
	+	5/28(三)	16.8 The Divergence Theorem and a Unified Theory
	五	5/30(五)	複習 Chapter 16
		6/4(<i>三</i>)	13.4 Curvature and the Unit Normal Vector N
	+		13.5 Torsion and Unit Binormal Vector B
Sections	六	6/6(五)	Preparation for Kepler's laws
13. 4~13. 6			(p935-937, 10.8 Conic Sections in Polar Coordinates)
	+	6/11(三)	13.6 Planetary Motion and Satellites
	セ	6/13(五)	總複習
	+	6/18(三)	期末考問
	八	6/20(五)	【範圍:Sections 13.3~13.6, Chapters 15 & 16】