章節	週次	課程進度
1. Functions and		[1.5] Exponential Functions
Models	第一週	[1.6] Inverse Functions and Logarithms
2. Limits and Derivatives	9/16、9/18	[2.1] The Tangent and Velocity Problems
		[2.2] The Limit of a Function
		[2.3] Calculating Limits Using the Limit Laws
	第二週	[2.4] The Precise Definition of a Limit
	9/23 \ 9/25	[2.5] Continuity
		[2.6] Limits at Infinity; Horizontal Asymptotes
		[2.7] Derivatives and Rates of Change
	第三週	[2.8] The Derivative as a Function
3. Differentiation	9/30 \ 10/2	[3.1] Derivatives of Polynomials and Exponential Functions
		[3.2] The Product and Quotient Rules
	the same	[3.3] Derivatives of Trigonometric Functions
	第四週 10/7、10/9	[3.4] The Chain Rule
		10/9(五)國慶紀念日遇例假日補假
		[3.5] Implicit Differentiation
Rules		[3.6] Derivatives of Logarithmic Functions
	第五週	[3.7] Rates of Change in the Natural and Social Sciences (💥)
	10/14 \ 10/16	[3.8] Exponential Growth and Decay
		[3.9] Related Rates
		[3.10] Linear Approximations and Differentials
	第六週 10/21、10/23	[3.11] Hyperbolic Functions
		[4.1] Maximum and Minimum Values
		緩衝時間
4. Applications of Differentiation	第七週 10/28、10/30	[4.2] The Mean Value Theorem
		[4.3] How Derivatives Affect the Shape of a Graph
		[4.4] Indeterminate Forms and L'Hospital's Rule
		[4.5] Summary of Curve Sketching
		[4.6] Graphing with Calculus and Calculators (*\infty)
	给 、油	[4.7] Optimization Problems
	第八週	[4.8] Newton's Method (🔆)
	11/4 \ 11/6	[4.9] Antiderivatives
		緩衝時間
	期中考 11/7(六) 09	:00~11:30 考試範圍 1.5~4.9 (英文命題)
5. Integrals		[5.1] Areas and Distances
	第九週	[5.2] The Definite Integral
	11/11 \ 11/13	[5.3] The Fundamental Theorem of Calculus
		[5.4] Indefinite Integrals and the Net Change Theorem
	第十週	[5.5] The Substitution Rule

6. Applications of Integration	11/18、11/20	[6.1] Areas Between Curves	
		[6.2] Volumes	
		[6.3] Volumes by Cylindrical Shells	
		[6.4] Work (※)	
	第十一週	[6.5] Average Value of a Function	
7. Techniques of Integration	11/25 \ 11/27	[7.1] Integration by Parts	
		[7.2] Trigonometric Integrals	
		[7.3] Trigonometric Substitution	
	第十二週	[7.4] Integration of Rational Functions by Partial Fractions	
	12/2 \ 12/4	[7.5] Strategy for Integration	
		[7.7] Approximate Integration	
	始 1. 一 畑	[7.8] Improper Integrals	
0. F. 4	第十三週 12/9、12/11	[8.1] Arc Length	
	12/9 \ 12/11	緩衝時間	
8. Further		[8.2] Area of a Surface of Revolution	
Applications of Integration	第十四週 12/16、12/18	[8.3] Applications to Physics and Engineering	
		[8.4] Applications to Economics and Biology (💥)	
		[8.5] Probability (**)	
9. Differential Equations		[9.1] Modeling with Differential Equations	
		[9.3] Separable Equations	
	第十五週	[9.4] Models for Population Growth	
	12/23 \ 12/25	[9.5] Linear Equations	
10. Parametric Equations and Polar Coordinates		[10.1] Curves Defined by Parametric Equations	
	第十六週 12/30、1/1	[10.2] Calculus with Parametric Curves	
		[10.3] Polar Coordinates	
		1/1(五) 開國紀念日放假一天	
	第十七週 1/6、1/8	[10.4] Areas and Lengths in Polar Coordinates	
		[10.6] Conic Sections in Polar Coordinates	
		緩衝時間	
期末考 1/9(六) 09:00~11:30 考試範圍 5.1~10.6 (英文命題)			