

Feng Chia University International School of technology and Management
(ISTM 111-1 Purdue Program_Calculus I)

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Textbook : Calculus (Metric Version 9E)	Author : James Stewart
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WK	Date	Sections	Topics	Remark
1	09/14, 09/16	§1-5 §1-6	Functions and their Graphs; The Limit of a Function; Calculating Limits Using the Limit Laws	
2	09/21, 09/23	§3-4	Limits at Infinity & Horizontal Asymptotes	
3	09/28, 09/30	§1.8 §2.1	Continuity; Derivatives and Rates of Change	9/28 FCU Birthday NO CLASS
4	10/05, 10/07	§2.2 §2.3	The Derivative as a Function; The Product and Quotient Rules; Differentiation Formulas	
5	10/12, 10/14	§2.4	Derivatives of Trigonometric Functions	
6	10/19, 10/21	§2.5 §2.6 §2.9	The Chain Rule; Implicit Differentiation Linear Approximations and Differentials;	TEST 1
7	10/26, 10/28	§6.1 §6.2	Inverse Functions Derivatives of Exponential Function;	
8	11/02, 11/04	§6.4	Derivatives of Logarithmic Function;	
9	11/09, 11/11	Midterm	11/6 Review, 11/9 Midterm,	
10	11/16, 11/18	§3.1 §3.3	Maximum and Minimum Values; Mean Value Theorem How Derivatives Affect the Shape of a Graph	
11	11/23, 11/25	§6.8	Indeterminate Forms and l'Hospital's Rule	
12	11/30, 12/02	§3.9, §4.2	Antiderivatives; The Definite Integral;	
13	12/07, 12/09	§4.3, §4.4	The Fundamental Theorem of Calculus, Indefinite Integrals and the Net Change Theorem	
14	12/14, 12/16	§4.5 §5.1	The Substitution Rule; Areas Between Curves	TEST 2
15	12/21, 12/23	§6.6	Inverse Trigonometric Functions	
16	12/28, 12/30	§6.6	Inverse Trigonometric Functions; Review	
17	01/04, 01/06	FINAL	01/06 (Fri) FINAL EXAM	
18	01/11, 01/13		Final paper review (ISTM office)	

Evaluation: 1. Midterm and Final : (25% each), 2. TEST1 and TEST2 (10% each)
3. Attendance and In class performance (15%). 4. TA-consultation: (at least 4 times) (5%)
5. Homework (10%) 6. BONUS(final-mid; if +)*10%