



Syllabus

Course Name in Chinese ()	()AB	Academic Year/Semester		103/1
Course Name in English ()	Calculus(I)			
Course Code	AM_1050AB	Department & Year	Course-Offering Department	
Type	Program	Credit(s)/Hour(s)	3.0/3.0	
Instructor	/			
Prerequisite				
Course Description				
Topics include the Limit of a Function, The Differentiation of a Function, The Integral of a Function and their application.				
Course Objectives				
Calculus provides a tool for solving problems involving motion. The derivatives is useful in the study of rates of change of many entities. The definite integral also has many applications in the sciences.				
College Basic Learning Outcomes				Correlation between Course Objectives and Basic Learning Outcomes
A	Basic math knowledge, logical reasoning, analytical and problem solving skills.			
B	Ability to express ideas and communicate in Chinese and foreign languages and teamwork skills.			
C	Lifelong learning ability.			
Illustration		Highly correlated	Moderately correlated	
Teaching Schedule & Content				
Week	Subject/Topics			Remarks
1	1.1			; A4
2	1.1; 1.2; 1.4			

3	1. 4; 1. 5; 2. 1	週二(9/30)繳交習題： (遲交不收)	(9/30) :
			1. 1: 2, 4, 8, 20, 22, 24, 26, 32; 1. 2: 12, 22, 28, 42, 58, 60, 66, 68, 70, 72, 75, 78
4	2. 2; 2. 3	週二(10/7)繳交習題： (遲交不收)	(10/7) :
			1. 4: 12, 24, 30, 31, 52, 54, 60, 64, 70 1. 5: 12, 18, 36, 38 chapter 1 review page 137: 4, 12, 16, 18, 22, 42 2. 1: 12, 15, 50, 52
5	2. 5; 2. 6	週二(10/14)繳交習題： (遲交不收)	(10/14) :
			2. 2: 12, 22, 24, 26, 32, 33, 40, 42, 50, 54, 58, 72 2. 3: 4, 6, 10, 12, 19, 24, 38, 50, 52, 55, 58, 61
6	2. 7; 2. 9	週二(10/21)繳交習題： (遲交不收)	(10/21) :
			2. 5: 2, 4, 8, 12, 21, 24, 26, 46 2. 6: 2, 6, 12, 20, 24, 30, 34, 38, 48, 52, 66, 76
7	期中考; 3. 1		
8	3. 2; 3. 3	週二(11/4)繳交習題： (遲交不收)	(11/4) :
			2. 7: 4, 12, 16, 22, 24, 28, 30, 32 2. 9: 22, 24 chapter 2 review page 237: 8, 12, 16, 18, 20, 40, 52, 54, 60, 66, 78, 80,
9	3. 4; 3. 5	週二(11/11)繳交習題： (遲交不收)	(11/11) :
			3. 1: 8, 12, 16, 18, 46, 58, 60 3. 2: 24, 28, 36, 37 3. 3: 12, 16, 18, 24, 32, 34, 35, 52, 57
10	3. 6		

11	4. 1;4. 2;4. 3	週二(11/25)繳交習題：(遲交不收)	(11/25) :
			3. 4: 13, 15, 21, 31, 37, 41, 45 3. 5: 8, 12, 14, 16, 22, 24, 32, 50, 52, 54 3. 6: 7, 11, 19, 23 chapter review page 344: 3, 5, 9, 23, 25, 43, 47, 51, 55
12	4. 3;4. 4;4. 5	週二(12/2)繳交習題：(遲交不收)	(12/2) :
			4. 1: 2, 6, 8, 12, 14, 19, 22, 24 4. 2: 8, 12, 15, 21, 23, 28, 34, 35, 36, 38, 41, 44, 45, 47
13	期中考;5. 1		
14	5. 2;5. 3	週二(12/16)繳交習題：(遲交不收)	(12/16) :
			4. 3: 40, 42, 44 4. 4: 15, 16, 22, 48, 50 4. 5: 4, 6, 8, 11, 12, 20, 21, 25, 27, 28, 35, 37, 39, 42, 60, 62, 88, 92
15	6. 1;6. 2	週二(12/23)繳交習題：(遲交不收)	(12/23) :
			5. 1: 12, 17, 21, 28, 32 5. 2: 7, 11, 13, 15, 19, 20, 25 5. 3: 4, 6, 8, 12, 15, 16
16	6. 3;6. 4	週二(12/30)繳交習題：(遲交不收)	(12/30) :
			6. 1: 28, 30, 40, 42, 51, 52, 56, 66, 69, 72, 74, 76, 78, 80, 82, 84, 91, 92 6. 2: 15, 20, 22, 26, 50, 53, 56, 57
17	6. 5;6. 7	週二(1/6)繳交習題：(遲交不收)	(1/6) :
			6. 3: 18, 24, 26, 28, 30, 32, 34, 36, 38, 42, 44, 49, 50, 85, 90, 91, 92, 94, 101, 102, 116 6. 4: 22, 24, 27, 39, 49, 50

18	期末考試週 Final Exam	6.5: 33, 35, 37, 39, 51, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85
		6.7: 1, 3, 5, 7, 11, 15, 19, 37, 41, 42, 52

Teaching Strategies

Lecture
 Group Discussion
 Field Trip
 Miscellaneous:

Grading & Assessments

Items	Percentage	Assessments							
General Performance									
Midterm Exam	50%	✓							
Final Exam	40%	✓							
Homework and/or Assignments	10%		✓						
Miscellaneous (_____)									

Grading & Assessments Supplemental instructions

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Soo T.Tan: Calculus

Teaching Aids & Teacher's Website (Personal website can be listed here.)

(Supplemental instructions)