## Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	ourse Title CALCULUS		WANG, REN-HE		
Course Class	Course Class DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM),		<ul> <li>General Course</li> <li>Required</li> <li>2nd Semester</li> </ul>		
1A SDG4 Quality education to SDGs					
Departmental Aim of Education					
I. Acquis	ition of professional knowledge.				
II. Learnir	ng effective self-planning.				
III. Theore	tical application of practical matters.				
IV. Interpe	ersonal communication and teamwork.				
V. Analysi	s of problems and recommendations.				
VI. Awarer	ness of Ethics as a global citizen.				
Subject Departmental core competences					
A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:40.00)					
B. Students (ratio:10	<ul> <li>B. Students can demonstrate that they have capability in professional knowledge expression.</li> <li>(ratio:10.00)</li> </ul>				
C. Students (ratio:10	C. Students can demonstrate that they have capability in using information technology. (ratio:10.00)				
D. Students can demonstrate that they are critical thinkers.(ratio:40.00)					
Subject Schoolwide essential virtues					
1. A global perspective. (ratio:5.00)					
2. Information literacy. (ratio:20.00)					
3. A vision for the future. (ratio:10.00)					
4. Moral integrity. (ratio:15.00)					
5. Independent thinking. (ratio:30.00)					
6. A cheerful attitude and healthy lifestyle. (ratio:5.00)					

7. A spirit of teamwork and dedication. (ratio:10.00) 8. A sense of aesthetic appreciation. (ratio:5.00)					
Int	Course	Welcor calculu calculu founda	me to the Calculus cours s, including integration, s, providing students win ational mathematical disc	e! This course delves into various aspects additional topics in integration, and mult th a comprehensive understanding of this cipline.	s of civariable s
	The	correspo	ndences between the co	ourse's instructional objectives and the	cognitive, affective,
and psychomotor objectives. Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.					
I. (	Cognitive : En	nphasis u	pon the study of various	s kinds of knowledge in the cognition of	
II.A	the ffective : Emp	course's phasis up	veracity, conception, pro on the study of various k	ocedures, outcomes, etc. kinds of knowledge in the course's appea	l,
<b>TTT Г</b>	mo	rals, attitu	ude, conviction, values, e	itc.	7
Ш.г	rsychomotor. mai	nipulatio	n.	Course's physical activity and technical	
No.	Teaching Objectives objective methods				objective methods
1	Understand 1	the fund <i>a</i>	amental concepts of inte	gration and apply	Cognitive
	them to real-	world pr	oblems.		
	Proficiently h	iandle mi	ultivariable functions, co	mputing partial	
	derivatives, t	otal diffe	rentials, and multiple int	egrals.	
	Apply acquir	ed knowl	edge to solve practical s	cientific, engineering,	
	and matnem		blems.	- competences acceptial virtues teaching me	the de and accordment
		correspond	lences of teaching objectives .	: core competences, essential virtues, teaching me	thods, and assessment
No.	Core Compe	tences	Essential Virtues	Teaching Methods	Assessment
1	ABCD		12345678	Lecture, Practicum	Testing, Practicum
	1	1		Course Schedule	
Week	Date		Cour	se Contents	Note
1	113/02/19~ 113/02/25	2/19~ Integration			

2	113/02/26~ 113/03/03	Integration	
3	113/03/04~ 113/03/10	Integration	
4	113/03/11~ 113/03/17	Integration	
5	113/03/18~ 113/03/24	Integration	
6	113/03/25~ 113/03/31	Additional Topics in Integration	
7	113/04/01~ 113/04/07	Additional Topics in Integration	
8	113/04/08 ~ 113/04/14	Additional Topics in Integration	
9	113/04/15~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Additional Topics in Integration	
11	113/04/29~ 113/05/05	Additional Topics in Integration	
12	113/05/06~ 113/05/12	Calculus of Several Variables	
13	113/05/13~ 113/05/19	Calculus of Several Variables	
14	113/05/20~ 113/05/26	Calculus of Several Variables	
15	113/05/27 ~ 113/06/02	Calculus of Several Variables	
16	113/06/03~ 113/06/09	Calculus of Several Variables	
17	113/06/10~ 113/06/16	Final Exam Week (Date:113/6/11-113/6/17)	
18	113/06/17~ 113/06/23	Flex week, learning activities should be arranged.	
Key capabilities			
Interdisciplinary			
Distinctive teaching			

	Logical Thinking				
Course Content					
Requirement					
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks, Handouts Name of teaching materials: Calculus for Business, Economics, and the Social and Life Sciences, 11th ed. Hoffmann Bradley, Sobecki Price.				
References					
	◆ Attendance: 10.0 % ◆ Mark of Usual: 20.0 % ◆ Midterm Exam: 20.0 %				
Grading Policy	<ul> <li>◆ Final Exam: 30.0 %</li> <li>◆ Other ⟨TA course⟩: 20.0 %</li> </ul>				
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <u>http://www.acad.tku.edu.tw/CS/main.php</u> .				
	<ul> <li>W Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</li> </ul>				
TLBAB1S0325 2A	Page:4/4 2024/4/11 17:13:04				