Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title CALCULUS		Instructor	CHIANG, CHIEH				
Course Class	TLFBB1B DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1B	Details	 General Course Required 2nd Semester 				
Relevance to SDGs	SDG4 Quality education Relevance						
	Departmental Aim of Educ	ation					
П. Learnir П. Theore IV. Interpe V. Analysi	ition of professional knowledge. ng effective self-planning. tical application of practical matters. ersonal communication and teamwork. is of problems and recommendations. ness of Ethics as a global citizen. Subject Departmental core competence	es					
 A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:50.00) D. Students can demonstrate that they are critical thinkers.(ratio:50.00) 							
	Subject Schoolwide essential virtues						
	tion literacy. (ratio:20.00) ndent thinking. (ratio:80.00)						

Ir	Course troduction	the rea	l lift problems, especiall	cus will be on the integration and its appl y in the region of business. We will also le nd the integration of given functions.		
	The	correspo		ourse's instructional objectives and the d	cognitive, affective,	
			objective methods amor	ng the cognitive, affective and psychomot	tor	
			nstructional objectives.			
I.	-	-		s kinds of knowledge in the cognition of ocedures, outcomes, etc.		
II./	Affective : Emp	ohasis up		kinds of knowledge in the course's appea	l,	
III.	Psychomotor	: Emphas	is upon the study of the	course's physical activity and technical		
	ma	nipulatio	n.			
No.	Teaching Objectives object		objective methods			
1	Students sha	all familia	r with the definition of ir	itegration and also	Cognitive	
			enable them to find the			
			e also expected to be abl arising from the busines	5		
	The	corresponc	lences of teaching objectives	: core competences, essential virtues, teaching me	thods, and assessment	
No.	Core Compe	tences	Essential Virtues	Teaching Methods	Assessment	
1	AD		25	Lecture	Testing	
				Course Schedule		
Wee	k Date		Cour	rse Contents	Note	
1	111/02/21~ 111/02/25	5.1 Antiderivatives and Indefinite integrals.				
2	111/02/28 ~ 111/03/04	5.2 Integration by Substitution and General Power Rule. 5.3 Exponential and Logarithmic Integrals.				
3	111/03/07 ~ 111/03/11	5.4 Area and Fundamental Theorem of Calculus.				
4	111/03/14 ~ 111/03/18	^{14~} 5.5 The Area of a Region Bounded by Two Graphs.				

11.03/25Integration by Parts and Present Value. 6.2 Integration Table.711.04/016.3 Numerical Integration.811.04/016.4 Improper Integrals.911.04/027.1 The Three-Dimensional Coordinate System.1011.04/02Nidterm Exam Week1111.05/067.2 Surfaces in Space.1211.05/067.3 Functions of Several Variables.1311.05/067.4 Partial Derivatives.1411.05/067.5 Extrema of Functions of Two Variables.1511.05/0707.5 Extrema of Functions of Two Variables.1611.05/067.6 Lagrange Multiplier.1111.05/0707.8 Double Integrals.1611.06/07015.8 Double Integrals.1711.06/07016.1 Sam Week1810.06/07016.1 Sam Week1911.05/07016.1 Sam Week1011.05/07016.1 Sam Week1011.06/07016.1 Sam Week1011.06/07016.1 Sam Week11.05/07016.1 Sam Week11.05/07016.1 Sam Week1211.06/0701311.05/0701411.05/0701511.05/0701611.06/0701711.06/07018Diver1911.05/07019Sam Week1911.05/07010Sam Week10Sam Week11Sam Week11Sam Week11.05/070Sam Week11.05/070	Integral as the Limit of a Sum.	111/03/21~	5	
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