Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Class I . Acquisit	TLWXB1A BACHELOR'S PROGRAM IN GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM), 1A	Details	• General Course • Required				
I . Acquisi							
I . Acquisit	Departmental Aim of Educ	ation					
	I . Acquisition of professional knowledge.						
II. Learning	II. Learning effective self-planning.						
Ⅲ. Theoretical application of practical matters.							
IV. Interpe	rsonal communication and teamwork.						
V. Analysis	s of problems and recommendations.						
VI. Awaren	ess of Ethics as a global citizen.						
	Subject Departmental core competenc	es					
_	nent.(ratio:50.00) can demonstrate that they are critical thinkers.(ratio:50.00) Subject Schoolwide essential virtues						
	<u> </u>						
	cion literacy. (ratio:20.00) dent thinking. (ratio:80.00)						
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Course Introduction	This course introduces calculus with applications in business, social and life sciences. Topics in this semester include: funct derivative, techniques of differentiation, and applications of	ions and mode	els, the				

The correspondences between the course'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: Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II. Affective: Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.			objective methods						
1	Students will be able to understand the concepts and theory of limit, continuity, and derivative of a function, and to solve real-world problems with these techniques.								
	The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment								
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment				
1	AD		25	Lecture	Testing				
	Course Schedule								
Week	Date	C		rse Contents	Note				
1	108/09/09 ~ 108/09/15	1.1 Functions and Their Representations, 1.2 Combining and Transforming Functions							
2	108/09/16 ~ 108/09/22	1.3 Linear Models and Rates of Change, 1.4 Polynomial Models and Power Functions							
3	108/09/23 ~ 108/09/29	1.5 Exponential Models, 1.6 Logarithmic Functions							
4	108/09/30 ~ 108/10/06	2.1 Me	2.1 Measuring Change, 2.2 Limits						
5	108/10/07 ~ 108/10/13	2.3 Rates of Change and Derivative, 2.4 The Derivative as a Function							
6	108/10/14 ~ 108/10/20	3.1 Shortcut to Finding Derivatives, 3.2 Introduction to Marginal Analysis							
7	108/10/21 ~ 108/10/27	3.3 The Product and Quotient Rules, 3.4 The Chain Rule							
8	108/10/28 ~ 108/11/03	3.5 Imp	3.5 Implicit Differentiation and Logarithms						
9	108/11/04 ~ 108/11/10	3.6 Exp	3.6 Exponential Growth and Decay						
10	108/11/11 ~ 108/11/17	Midterm Exam Week							

11 108/11/18 ~ 108/11/24		4.1 Related Rates				
12	108/11/25 ~ 108/12/01	4.2 Maximum and Minimum Values				
13	108/12/02 ~ 108/12/08	4.3 Derivatives and the Shapes of Curves				
14	108/12/09 ~ 108/12/15	4.4 Asymptotes, 4.5 Curve Sketching				
15	108/12/16 ~ 108/12/22	4.6 Optimization				
16	108/12/23 ~ 108/12/29	4.7 Optimization in Business and Economics				
17	108/12/30 ~ 109/01/05	Review				
18	109/01/06 ~ 109/01/12	Final Exam Week (Date:109/1/3-109/1/9)				
Re	equirement					
Tea	aching Facility	(None)				
Textbooks and Teaching Materials		Brief Applied Calculus, International Edition (2015), by Stewart and Clegg.				
R	References					
Number of Assignment(s)		(Filled in by assignment instructor only)				
Grading Policy		 ◆ Attendance: % ◆ Mark of Usual: % ◆ Midterm Exam: 35.0 % ◆ Final Exam: 35.0 % ◆ Other 〈Homework and Quizzes〉: 30.0 % 				
Note		This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php . ** Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime				
		to improperly photocopy others' publications.				

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