Tamkang University Academic Year 107, 1st Semester Course Syllabus

Course Title	THE STATISTICAL ANALYSIS OF FINANCIAL MARKETS	Instructor	HUEIY-FEN WANG
Course Class	TLWXB2A BACHELOR'S PROGRAM IN GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM), 2A	Details	◆ Selective ◆ One Semester ◆ 3 Credits

Departmental Aim of Education

Ⅰ. Learning and instanding international financial theory.

Ⅱ. Learn to plan the future.

Ⅲ. Enhance the ability of practical analysis.

Ⅳ. Increase the team research ability.

Ⅴ. Master the international financial pulsation.

Ⅵ. Cultivate morality and global civilization.

Departmental core competences

A. The student to have a basic knowledge of international financial management theory and practice.

B. To have a good grounding of relevant financial laws.

C. To understand the basic moral principles within the international financial industry.

D. To have a global perspective of the subject and a basic command of foreign language abilities.

E. To obtain international professional qualifications that will aid their future career.

F. To obtain a basic ability to examine domestic and global financial situations.

Course Introduction	This course covers several lessons concerning about the useful Excel statistics tools and aims to help students learning the necessary skills in Excel VBA in order to facilitate their study in solving financial problems. Students will have opportunities to practice the analysis work in the lab.

The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

I.Objective Levels (select applicable ones) :
 (i) Cognitive Domain   : C1-Remembering,   C2-Understanding,   C3-Applying,
                           C4-Analyzing,   C5-Evaluating,   C6-Creating
 (ii) Psychomotor Domain : P1-Imitation,   P2-Mechanism,   P3-Independent Operation,
                           P4-Linked Operation, P5-Automation,   P6-Origination
 (iii) Affective Domain : A1-Receiving,   A2-Responding,   A3-Valuing,
                           A4-Organizing,   A5-Charaterizing,   A6-Implementing

II.The Relevance among Teaching Objectives, Objective Levels and Departmental core competences :
 (i) Determine the objective level(s) in any one of the three learning domains (cognitive,
     psychomotor, and affective) corresponding to the teaching objective. Each objective should
     correspond to the objective level(s) of ONLY ONE of the three domains.
 (ii) If more than one objective levels are applicable for each learning domain, select the
      highest one only. (For example, if the objective levels for Cognitive Domain include
      C3,C5,and C6, select C6 only and fill it in the boxes below. The same rule applies to
      Psychomotor Domain and Affective Domain.)
 (iii) Determine the Departmental core competences that correspond to each teaching objective.
       Each objective may correspond to one or more Departmental core competences at a time.
       (For example, if one objective corresponds to three Departmental core competences: A,AD,
       and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	Review the framework of Excel VBA and be familiar with the programming with Excel VBA.	C2	ADF
2	Analyze the financial problems with Excel VBA.	C2	ADF
3	The objective is to aim to help students learning the necessary skills in Excel VBA for solving financial problem.	C2	ADF

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Review the framework of Excel VBA and be familiar with the programming with Excel VBA.	Lecture	Written test, Participation
2	Analyze the financial problems with Excel VBA.	Lecture	Written test, Report, Participation
3	The objective is to aim to help students learning the necessary skills in Excel VBA for solving financial problem.	Lecture	Written test, Report

	This course has been designed to cultivate the following essential qualities in TKU students	
Essential Qualities of TKU Students		**Description**
◇ A global perspective		Helping students develop a broader perspective from which to understand international affairs and global development.
◆ Information literacy		Becoming adept at using information technology and learning the proper way to process information.
◇ A vision for the future		Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.
◇ Moral integrity		Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.
◆ Independent thinking		Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.
◇ A cheerful attitude and healthy lifestyle		Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.
◇ A spirit of teamwork and dedication		Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.
◇ A sense of aesthetic appreciation		Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.

Course Schedule

Week	Date	Subject/Topics	Note
1	107/09/10 ~ 107/09/16	Introduction to this course	
2	107/09/17 ~ 107/09/23	VBA Programming Fundamentals	
3	107/09/24 ~ 107/09/30	Working with VBA Sub Procedures	
4	107/10/01 ~ 107/10/07	Creating Function Procedures (1)	
5	107/10/08 ~ 107/10/14	Creating Function Procedures (2)	
6	107/10/15 ~ 107/10/21	Understanding Excel's Events	
7	107/10/22 ~ 107/10/28	VBA Programming Examples and Techniques (1)	
8	107/10/29 ~ 107/11/04	VBA Programming Examples and Techniques (2)	
9	107/11/05 ~ 107/11/11	Midterm exam with computer in computer lab.	
10	107/11/12 ~ 107/11/18	Midterm Exam Week	
11	107/11/19 ~ 107/11/25	Pivot Tables (1)	
12	107/11/26 ~ 107/12/02	Pivot Tables (2)	

13	107/12/03 ~ 107/12/09	Chart (1)	
14	107/12/10 ~ 107/12/16	Chart (2)	
15	107/12/17 ~ 107/12/23	Reviews	
16	107/12/24 ~ 107/12/30	Final exam with computer in computer lab.	
17	107/12/31 ~ 108/01/06	No class	
18	108/01/07 ~ 108/01/13	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbook(s)	Michael Alexander & Dick Kusleika: Excel 2016 Power Programming with VBA
Reference(s)	Chandan Sengupta : Financial Analysis and Modeling Using Excel and VBA
Number of Assignment(s)	**4** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 %　◆ Mark of Usual：30.0 %　◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈　〉：　　%
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.**