

Tamkang University Academic Year 104, 2nd Semester Course Syllabus

Course Title	STATISTICS	Instructor	LIN JYH-JIUAN
Course Class	TLWXB1A BACHELOR'S PROGRAM IN GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> ◆ Required ◆ 2nd Semester ◆ 2 Credits
D e p a r t m e n t a l A i m o f E d u c a t i o n			
<p>I . Acquisition of professional knowledge.</p> <p>II. Learning effective self-planning.</p> <p>III. Theoretical application of practical matters.</p> <p>IV. Interpersonal communication and teamwork.</p> <p>V . Analysis of problems and recommendations.</p> <p>VI. Awareness of Ethics as a global citizen.</p>			
D e p a r t m e n t a l c o r e c o m p e t e n c e s			
<p>A. Financial accounting professional skills.</p> <p>B. To understand basic knowledge of business administration.</p> <p>C. To communicate, negotiate, and collaborate to accomplish business projects by team work.</p> <p>D. Knowledge of basic statistical theory.</p> <p>E. Application of profession knowledge.</p> <p>F. Have a firm grasp of the fundamental concepts in economics.</p> <p>G. Have the ability to apply basic analytical tools to economic issues.</p> <p>H. Students are equipped with professional knowledge of core courses.</p> <p>I. Students can apply their profession to practice matters.</p>			
Course Introduction	<p>To develop statistical thinking, use real data in applications, to analyze data systematically and predict the future. Help a decision maker to inference and draw conclusions from the data through all kinds of statistical methodology.</p>		

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-Characterizing, 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	To develop conceptual understanding in statistical thinking, use real data in applications.	C3	DE

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	To develop conceptual understanding in statistical thinking, use real data in applications.	Lecture, Problem solving	Written test

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	105/02/15 ~ 105/02/21	Reveiw of Estimation	
2	105/02/22 ~ 105/02/28	Hypotheses Testing introduction 1	
3	105/02/29 ~ 105/03/06	Hypotheses Testing introduction 2	
4	105/03/07 ~ 105/03/13	Large Sample Hypotheses Testing for a Population Mean	
5	105/03/14 ~ 105/03/20	Small Sample Hypotheses Testing for a Population Mean	
6	105/03/21 ~ 105/03/27	Hypotheses Testing for a Population Proportion	
7	105/03/28 ~ 105/04/03	Chi-square Distribution	
8	105/04/04 ~ 105/04/10	School field trip, class off.	
9	105/04/11 ~ 105/04/17	Hypotheses Testing for variance	
10	105/04/18 ~ 105/04/24	Midterm Exam Week	
11	105/04/25 ~ 105/05/01	F-distribution	
12	105/05/02 ~ 105/05/08	Categorical Analysis-1	

13	105/05/09 ~ 105/05/15	Categorical Analysis-2	
14	105/05/16 ~ 105/05/22	Correlation analysis	
15	105/05/23 ~ 105/05/29	Regression Analysis-1	
16	105/05/30 ~ 105/06/05	Regression Analysis-2	
17	105/06/06 ~ 105/06/12	Regression Analysis-3	
18	105/06/13 ~ 105/06/19	Final Exam Week	
Requirement			
Teaching Facility		Computer	
Textbook(s)		Essentials of Business Statistics 2013, Jaggia & Kelly, McGraw-Hill/Irwin	
Reference(s)			
Number of Assignment(s)		(Filled in by assignment instructor only)	
Grading Policy		◆ Attendance : 5.0 % ◆ Mark of Usual : 20.0 % ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other (practice class) : 15.0 %	
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.	