

Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	STATISTICS	Instructor	HSIEH CHIH-JOU
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH- TAUGHT PROGRAM), 1A	Details	◆ 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			
I . Acquisition of professional knowledge. II. Learning effective self-planning. III. Theoretical application of practical matters. IV. Interpersonal communication and teamwork. V . Analysis of problems and recommendations. VI. Awareness of Ethics as a global citizen.			
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			
A. Students can demonstrate that they have program basic knowledge of business and management. B. Students can demonstrate that they have capability in professional knowledge expression. C. Students can demonstrate that they have capability in using information technology. D. Students can demonstrate that they are critical thinkers.			
Course Introduction	The purpose of this course is to give students a conceptual introduction to the field of statistics and its many applications.		

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	Students will be able to understand and analyze data based on various statistical methodologies.	C4	AB

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Students will be able to understand and analyze data based on various statistical methodologies.	Lecture, Discussion, Practicum, Problem solving	Written test, Quizzes

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	108/02/18 ~ 108/02/24	Inference About Means and Proportions with Two Populations	
2	108/02/25 ~ 108/03/03	Inference About Means and Proportions with Two Populations	
3	108/03/04 ~ 108/03/10	Inferences About Population Variances	
4	108/03/11 ~ 108/03/17	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
5	108/03/18 ~ 108/03/24	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
6	108/03/25 ~ 108/03/31	Experimental Design & Analysis of Variance	
7	108/04/01 ~ 108/04/07	Spring Break	
8	108/04/08 ~ 108/04/14	Experimental Design & Analysis of Variance	
9	108/04/15 ~ 108/04/21	Experimental Design & Analysis of Variance	
10	108/04/22 ~ 108/04/28	Midterm Exam Week	
11	108/04/29 ~ 108/05/05	Index Numbers	

12	108/05/06 ~ 108/05/12	Index Numbers	
13	108/05/13 ~ 108/05/19	Nonparametric Methods	
14	108/05/20 ~ 108/05/26	Nonparametric Methods	
15	108/05/27 ~ 108/06/02	Nonparametric Methods	
16	108/06/03 ~ 108/06/09	Simple Linear Regression	
17	108/06/10 ~ 108/06/16	Simple Linear Regression	
18	108/06/17 ~ 108/06/23	Final Exam Week	
Requirement			
Teaching Facility		Computer, Other (Blackboard)	
Textbook(s)		Statistics for Business and Economics- Anderson, Sweeney, Williams, Camm and Cochran (13e)	
Reference(s)			
Number of Assignment(s)		(Filled in by assignment instructor only)	
Grading Policy		◆ Attendance : % ◆ Mark of Usual : % ◆ Midterm Exam : 45.0 % ◆ Final Exam : 45.0 % ◆ Other 〈Quizzes〉 : 10.0 %	
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.	