

Tamkang University Academic Year 108, 1st 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"> ◆ General Course ◆ Required ◆ 1st Semester
Departmental Aim of Education			
<ul style="list-style-type: none"> 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. 			
Subject Departmental core competences			
<ul style="list-style-type: none"> A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:50.00) B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:50.00) 			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> 5. Independent thinking. (ratio:80.00) 8. A sense of aesthetic appreciation. (ratio:20.00) 			
Course Introduction	To develop statistical thinking, use real data in applications, use technology for developing a conceptual understanding and for analyzing data.		

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.	Teaching Objectives	objective methods
1	To develop conceptual understanding in statistical thinking, use real data in applications.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	B	5	Lecture, Practicum	Testing, Study Assignments, Practicum

Course Schedule

Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Statistics, Data, and Statistical Thinking	Moon Festival no class
2	108/09/16 ~ 108/09/22	Graphical Methods for Describing Qualitative Data	
3	108/09/23 ~ 108/09/29	Graphical Methods for Describing Quantitative Data	
4	108/09/30 ~ 108/10/06	Numerical measures of Central Tendency	
5	108/10/07 ~ 108/10/13	Numerical measures of Variability	consecutive holiday
6	108/10/14 ~ 108/10/20	Probability Distribution Concepts	
7	108/10/21 ~ 108/10/27	Random Variables	
8	108/10/28 ~ 108/11/03	Probability Distribution for Discrete Random Variable	
9	108/11/04 ~ 108/11/10	Probability Distribution for Continuous Random Variable	
10	108/11/11 ~ 108/11/17	Midterm Exam Week	
11	108/11/18 ~ 108/11/24	The Normal distribution	
12	108/11/25 ~ 108/12/01	Sampling Distribution	

13	108/12/02 ~ 108/12/08	The Central Limit Theorem	
14	108/12/09 ~ 108/12/15	Estimation with Confidence Intervals	
15	108/12/16 ~ 108/12/22	Large Sample Confidence Interval for a Population Mean	
16	108/12/23 ~ 108/12/29	Confidence Interval for a Population Proportion	
17	108/12/30 ~ 109/01/05	Large Sample Confidence Interval for a Population Variance	
18	109/01/06 ~ 109/01/12	Final Exam Week (Date:109/1/3-109/1/9)	
Requirement			
Teaching Facility	Computer		
Textbooks and Teaching Materials	Elementary Statistics: A Step By Step Approach (A Brief Version)8/e, 2019 : Allan G. Bluman		
References			
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : 5.0 % ◆ Mark of Usual : 25.0 % ◆ Midterm Exam : 25.0 %</p> <p>◆ Final Exam : 30.0 %</p> <p>◆ Other (practice class) : 15.0 %</p>		
Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>		