

## Tamkang University Academic Year 111, 2nd Semester Course Syllabus

Course Title	STATISTICS	Instructor	LIN JYH-JIUAN
Course Class	TLBAB1A DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM),	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ 2nd Semester</li> </ul>
Relevance to SDGs	1A SDG4 Quality education		
Departmental Aim of Education			
<ul style="list-style-type: none"> <li>I. Acquisition of professional knowledge.</li> <li>II. Learning effective self-planning.</li> <li>III. Theoretical application of practical matters.</li> <li>IV. Interpersonal communication and teamwork.</li> <li>V. Analysis of problems and recommendations.</li> <li>VI. Awareness of Ethics as a global citizen.</li> </ul>			
Subject Departmental core competences			
<ul style="list-style-type: none"> <li>A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:40.00)</li> <li>B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:40.00)</li> <li>C. Students can demonstrate that they have capability in using information technology. (ratio:10.00)</li> <li>D. Students can demonstrate that they are critical thinkers.(ratio:10.00)</li> </ul>			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:5.00)</li> <li>2. Information literacy. (ratio:15.00)</li> <li>3. A vision for the future. (ratio:5.00)</li> <li>4. Moral integrity. (ratio:15.00)</li> <li>5. Independent thinking. (ratio:30.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</li> </ul>			

7. A spirit of teamwork and dedication. (ratio:5.00)

8. A sense of aesthetic appreciation. (ratio:20.00)

**Course Introduction**

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.

**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	ABCD	12345678	Lecture, Practicum	Testing, Discussion(including classroom and online), Practicum

**Course Schedule**

Week	Date	Course Contents	Note
1	112/02/13 ~ 112/02/19	Reveiw of Normal Distribution	
2	112/02/20 ~ 112/02/26	Sampling distribution and theCentral Limit Theory-1	*
3	112/02/27 ~ 112/03/05	Sampling distribution and theCentral Limit Theory-2	

4	112/03/06 ~ 112/03/12	Estimation-1	*
5	112/03/13 ~ 112/03/19	Estimation-2	
6	112/03/20 ~ 112/03/26	Tomb Sweeping Day, class off.	no class
7	112/03/27 ~ 112/04/02	Hypothesis Testing -1	
8	112/04/03 ~ 112/04/09	Chi-square Distribution	*
9	112/04/10 ~ 112/04/16	Hypothesis Testing -2	
10	112/04/17 ~ 112/04/23	Midterm Exam Week	
11	112/04/24 ~ 112/04/30	F-distribution	
12	112/05/01 ~ 112/05/07	Categorical Analysis-1	*
13	112/05/08 ~ 112/05/14	Categorical Analysis-2	
14	112/05/15 ~ 112/05/21	Correlation analysis	
15	112/05/22 ~ 112/05/28	Regression Analysis-1	*
16	112/05/29 ~ 112/06/04	Regression Analysis-2	
17	112/06/05 ~ 112/06/11	Regression Analysis-3	
18	112/06/12 ~ 112/06/18	Final Exam Week	
Requirement			
Teaching Facility	Computer, Projector		
Textbooks and Teaching Materials	Elementary Statistics : A Brief Version, Bluman (2022 Revised Edition) 2022		
References			
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	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a>.</p> <p>※ <b>Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>
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