

## Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	STATISTICS	Instructor	DENG WEN-SHUENN
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 SDG3 Good health and well-being for people SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure		
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.			
Subject Departmental core competences			
A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:40.00) B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:40.00) C. Students can demonstrate that they have capability in using information technology. (ratio:10.00) D. Students can demonstrate that they are critical thinkers.(ratio:10.00)			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:5.00) 2. Information literacy. (ratio:15.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:15.00) 5. Independent thinking. (ratio:30.00) 6. A cheerful attitude and healthy lifestyle. (ratio:5.00)			

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

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

**Course Introduction**

The course provides an introduction to statistical concepts and techniques with application in business. Topics include Estimation, Hypothesis testing, goodness of fits test, analysis of variance and Regression analysis

**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	1. To comprehend the concept and applications of hypothesis testing	Cognitive
2	To comprehend the concepts and applications of goodness of fits test	Cognitive
3	To familiarize students with the concepts of regression analysis	Cognitive
4	To acquaint the concepts and applications of analysis of variance	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCD	1234567	Lecture, Practicum	Testing, Study Assignments
2	ABCD	12345678	Lecture, Practicum	Testing, Study Assignments
3	ABCD	12345678	Lecture, Practicum	Testing, Study Assignments
4	ABCD	12345678	Lecture, Practicum	Testing, Study Assignments

Course Schedule			
Week	Date	Course Contents	Note
1	113/02/19 ~ 113/02/25	Interval Estimation	
2	113/02/26 ~ 113/03/03	Interval Estimation	
3	113/03/04 ~ 113/03/10	Interval Estimation	
4	113/03/11 ~ 113/03/17	Hypothesis Testing	
5	113/03/18 ~ 113/03/24	Hypothesis Testing	
6	113/03/25 ~ 113/03/31	Hypothesis Testing	
7	113/04/01 ~ 113/04/07	Comparison Involving Means	
8	113/04/08 ~ 113/04/14	Comparison Involving Means	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Comparison Involving Means	
11	113/04/29 ~ 113/05/05	Comparison Involving Proportions	
12	113/05/06 ~ 113/05/12	Comparison Involving Proportions	
13	113/05/13 ~ 113/05/19	Comparison Involving Proportions	
14	113/05/20 ~ 113/05/26	Basic Regression Analysis	
15	113/05/27 ~ 113/06/02	Basic Regression Analysis	
16	113/06/03 ~ 113/06/09	Basic Regression Analysis	
17	113/06/10 ~ 113/06/16	Final Exam Week (Date:113/6/11-113/6/17)	
18	113/06/17 ~ 113/06/23	Flex week, learning activities should be arranged.	
Key capabilities		self-directed learning International mobility Information Technology Interdisciplinary	
Interdisciplinary		STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)	

Distinctive teaching	Project implementation course Special/Problem-Based(PBL) Courses
Course Content	Logical Thinking
Requirement	1. Attendance is an important indicator of attitude, poor attendance may result in a low mark of daily participation or even failure of this course 2. Students are required to hand in their homework within 1 week of announcement.  3. Once the final marks are upload, there is no chance of any change in
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks Name of teaching materials: Elementary Statistics, Bluman, Mcgrow Hill, 2022 revised ed
References	
Grading Policy	◆ Attendance : 5.0 %    ◆ Mark of Usual : 15.0 %    ◆ Midterm Exam : 40.0 % ◆ Final Exam : 40.0 % ◆ Other ( ) : %
Note	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> .  <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>