

Tamkang University Academic Year 113, 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"> ◆ General Course ◆ Required ◆ 2nd Semester ◆ 2 Credits
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	12345678	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	114/02/17 ~ 114/02/23	Interval Estimation	
2	114/02/24 ~ 114/03/02	Interval Estimation	
3	114/03/03 ~ 114/03/09	Interval Estimation	
4	114/03/10 ~ 114/03/16	Hypothesis Testing	
5	114/03/17 ~ 114/03/23	Hypothesis Testing	
6	114/03/24 ~ 114/03/30	Hypothesis Testing	
7	114/03/31 ~ 114/04/06	Comparison Involving Means	
8	114/04/07 ~ 114/04/13	Comparison Involving Means	
9	114/04/14 ~ 114/04/20	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	114/04/21 ~ 114/04/27	Comparison Involving Means	
11	114/04/28 ~ 114/05/04	Comparison Involving Proportions	
12	114/05/05 ~ 114/05/11	Comparison Involving Proportions	
13	114/05/12 ~ 114/05/18	Comparison Involving Proportions	
14	114/05/19 ~ 114/05/25	Basic Regression Analysis	
15	114/05/26 ~ 114/06/01	Basic Regression Analysis	
16	114/06/02 ~ 114/06/08	Basic Regression Analysis	
17	114/06/09 ~ 114/06/15	Final Exam/Final Assessment Week (teachers can adjust the week as needed)	
18	114/06/16 ~ 114/06/22	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.	
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, MCGraw 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 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.