

Tamkang University Academic Year 113, 1st 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 ◆ 1st Semester ◆ 2 Credits
Relevance to SDGs	1A SDG1 No poverty 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

In the first semester this course introduces basic statistical concepts and methods, including statistical graphs and tables, statistics, probability theory, probability distribution and sampling distribution.

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	Students process data and draw informatons from them	Cognitive
2	To familiarize students with the concepts and applications of probability distributions	Cognitive
3	To familiarize students with the concepts and applications of normal distributionds	Cognitive
4	To familiarize students with the concepts and applications of sampling distributions	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, Report(including oral and written)
3	ABCD	12345678	Lecture, Discussion, Practicum	Testing, Study Assignments
4	ABCD	12345678	Lecture, Practicum	Testing, Study Assignments

Course Schedule

Week	Date	Course Contents	Note
1	113/09/09 ~ 113/09/15	Chapter 1: The Nature of Probability and Statistics	
2	113/09/16 ~ 113/09/22	Chapter 2: Frequency Distributions and Graphs	
3	113/09/23 ~ 113/09/29	Chapter 3: Data Description	
4	113/09/30 ~ 113/10/06	Chapter 3: Data Description	
5	113/10/07 ~ 113/10/13	Chapter 5: Discrete Probability Distributions	
6	113/10/14 ~ 113/10/20	Chapter 5: Discrete Probability Distributions	
7	113/10/21 ~ 113/10/27	Chapter 4: Probability and Counting Rules	
8	113/10/28 ~ 113/11/03	Chapter 4: Probability and Counting Rules	
9	113/11/04 ~ 113/11/10	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	113/11/11 ~ 113/11/17	Chapter 6: The Normal Distribution	
11	113/11/18 ~ 113/11/24	Chapter 6: The Normal Distribution	
12	113/11/25 ~ 113/12/01	Chapter 6: The Normal Distribution	
13	113/12/02 ~ 113/12/08	Chapter 6: The Normal Distribution	
14	113/12/09 ~ 113/12/15	Chapter 7: Confidence Intervals and Sample Size	
15	113/12/16 ~ 113/12/22	Chapter 7: Confidence Intervals and Sample Size	
16	113/12/23 ~ 113/12/29	Chapter 7: Confidence Intervals and Sample Size	
17	113/12/30 ~ 114/01/05	Final Exam/Final Assessment Week (teachers can adjust the week as needed)	
18	114/01/06 ~ 114/01/12	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.	

Key capabilities	self-directed learning Information Technology Problem solving Interdisciplinary
Interdisciplinary	In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching
Distinctive teaching	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 marks.
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks Name of teaching materials: Statistics for Management and Economics, Gerald Keller, Cengage Learning, 2022
Grading Policy	◆ Attendance : 10.0 % ◆ Mark of Usual : 10.0 % ◆ 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.