

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

Course Title	STATISTICS	Instructor	HSIEH CHIH-JOU
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ 2nd Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education SDG5 Gender equality SDG8 Decent work and economic growth SDG10 Reducing inequalities		
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.			
S u b j e c t   D e p a r t m e n t a l   c o r e   c o m p e t e n c e s			
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)			
S u b j e c t   S c h o o l w i d e   e s s e n t i a l   v i r t u e s			
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 purpose of this course is to give students a conceptual introduction to the field of statistics and its many applications.

**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 will be able to understand and analyze data based on various statistical methodologies.	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, Discussion, Practicum	Testing

**Course Schedule**

Week	Date	Course Contents	Note
1	113/02/19~ 113/02/25	Hypothesis Tests	
2	113/02/26~ 113/03/03	Hypothesis Tests	
3	113/03/04~ 113/03/10	Hypothesis Tests	
4	113/03/11~ 113/03/17	Hypothesis Tests	

5	113/03/18 ~ 113/03/24	Inference About Means and Proportions with Two Populations	
6	113/03/25 ~ 113/03/31	Inference About Means and Proportions with Two Populations	
7	113/04/01 ~ 113/04/07	Inferences About Population Variances	
8	113/04/08 ~ 113/04/14	Inferences About Population Variances	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
11	113/04/29 ~ 113/05/05	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
12	113/05/06 ~ 113/05/12	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
13	113/05/13 ~ 113/05/19	Experimental Design & Analysis of Variance	
14	113/05/20 ~ 113/05/26	Experimental Design & Analysis of Variance	
15	113/05/27 ~ 113/06/02	Experimental Design & Analysis of Variance	
16	113/06/03 ~ 113/06/09	Nonparametric Methods	
17	113/06/10 ~ 113/06/16	Public Holiday	
18	113/06/17 ~ 113/06/23	Final Exam Week	
Key capabilities	self-directed learning Information Technology Problem solving Interdisciplinary		
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics)		
Distinctive teaching	Special/Problem-Based(PBL) Courses		
Course Content	Logical Thinking		

Requirement	No make-up exam
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Presentations Using teaching materials from other writers:Textbooks, Presentations
References	
Grading Policy	<p>◆ Attendance :            %    ◆ Mark of Usual :            %    ◆ Midterm Exam : 50.0 %</p> <p>◆ Final Exam :    50.0 %</p> <p>◆ Other &lt;   &gt; :            %</p>
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>