

Tamkang University Academic Year 114, 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	◆ General Course ◆ Required ◆ 2nd Semester ◆ 2 Credits
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.			
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 purpose of this course is to give students a conceptual introduction to the field of statistics and its many applications.		
<p>The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.</p> <p>Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.</p> <p>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</p> <p>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</p> <p>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</p>				
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	115/02/23 ~ 115/03/01	Hypothesis Tests		
2	115/03/02 ~ 115/03/08	Hypothesis Tests		
3	115/03/09 ~ 115/03/15	Hypothesis Tests		
4	115/03/16 ~ 115/03/22	Inference About Means and Proportions with Two Populations		

5	115/03/23 ~ 115/03/29	Inference About Means and Proportions with Two Populations	
6	115/03/30 ~ 115/04/05	Inferences About Population Variances	
7	115/04/06 ~ 115/04/12	Spring Break	
8	115/04/13 ~ 115/04/19	Midterm Exam	
9	115/04/20 ~ 115/04/26	Inferences About Population Variances	
10	115/04/27 ~ 115/05/03	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
11	115/05/04 ~ 115/05/10	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
12	115/05/11 ~ 115/05/17	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
13	115/05/18 ~ 115/05/24	Experimental Design & Analysis of Variance	
14	115/05/25 ~ 115/05/31	Experimental Design & Analysis of Variance	
15	115/06/01 ~ 115/06/07	Experimental Design & Analysis of Variance	
16	115/06/08 ~ 115/06/14	Final Exam	
17	115/06/15 ~ 115/06/21	Grade Release Date	
18	115/06/22 ~ 115/06/28	Grade Release Date	
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	Using teaching materials from other writers:Textbooks, Presentations, Worksheets
References	
Grading Policy	<p>◆ Attendance : % ◆ Mark of Usual : % ◆ Midterm Exam : 50.0 %</p> <p>◆ Final Exam : 50.0 %</p> <p>◆ Other < > : %</p>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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.</p> <p>※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>