

Tamkang University Academic Year 113, 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	114/02/17 ~ 114/02/23	Hypothesis Tests		
2	114/02/24 ~ 114/03/02	Hypothesis Tests		
3	114/03/03 ~ 114/03/09	Hypothesis Tests		
4	114/03/10 ~ 114/03/16	Inference About Means and Proportions with Two Populations		

5	114/03/17 ~ 114/03/23	Inference About Means and Proportions with Two Populations	
6	114/03/24 ~ 114/03/30	Inferences About Population Variances	
7	114/03/31 ~ 114/04/06	Spring Break	
8	114/04/07 ~ 114/04/13	Inferences About Population Variances	
9	114/04/14 ~ 114/04/20	Midterm Exam	
10	114/04/21 ~ 114/04/27	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
11	114/04/28 ~ 114/05/04	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	
12	114/05/05 ~ 114/05/11	Experimental Design & Analysis of Variance	
13	114/05/12 ~ 114/05/18	Experimental Design & Analysis of Variance	
14	114/05/19 ~ 114/05/25	Experimental Design & Analysis of Variance	
15	114/05/26 ~ 114/06/01	Nonparametric Methods	
16	114/06/02 ~ 114/06/08	Nonparametric Methods	
17	114/06/09 ~ 114/06/15	Final Exam	
18	114/06/16 ~ 114/06/22	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	Self-made teaching materials:Handouts Using teaching materials from other writers:Textbooks, Presentations
References	
Grading Policy	◆ Attendance : % ◆ Mark of Usual : % ◆ Midterm Exam : 50.0 % ◆ Final Exam : 50.0 % ◆ 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.