

Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	STATISTICS (II)	Instructor	CHOU, YING-LUNG
Course Class	TRJXB1A DEPARTMENT OF GLOBAL POLITICS AND ECONOMICS (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
To be equipped with a basic knowledge of economics and political science, to develop confidence in communicating professionally and academically in English in matters related to the global political economy; to acquire the capability to conduct further research individually and collectively with others; and ultimately to prepare oneself to become professionals and leaders with a global perspective for the international arena.			
Subject Departmental core competences			
<ul style="list-style-type: none"> A. Provide essential analytical abilities in the area of politics and economics(ratio:50.00) B. Provide knowledge and skills to understand the current global issues(ratio:5.00) C. Develop a high level of proficiency in verbal and written English required in the course of study and for communication purposes(ratio:10.00) D. Develop ability to pursue research independently as well as in teams(ratio:30.00) E. Provide basic knowledge on Taiwan's political and economic development(ratio:5.00) 			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> 1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:15.00) 4. Moral integrity. (ratio:5.00) 5. Independent thinking. (ratio:25.00) 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:5.00) 			

Course Introduction	<p>Statistics has been applied in many fields of political science in recent decades, such as international relations, comparative politics, empirical studies, and so on.</p> <p>This course intends to introduce some basic knowledge of statistics to the students of Dept. of Global Politics and Economics.</p>
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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	To know the basic principles of statistics.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDE	12345678	Lecture	Testing

Course Schedule

Week	Date	Course Contents	Note
1	113/02/19 ~ 113/02/25	Introduction/Normal Distribution (3)	
2	113/02/26 ~ 113/03/03	The Sampling Distribution of the Sample Mean (1)	
3	113/03/04 ~ 113/03/10	Quiz 1; The Sampling Distribution of the Sample Mean (2)	
4	113/03/11 ~ 113/03/17	Quiz 2; Confidence Intervals for One Population Mean (1)	
5	113/03/18 ~ 113/03/24	Confidence Intervals for One Population Mean (2)	

6	113/03/25 ~ 113/03/31	Quiz 3; Hypothesis Tests for One Population Mean (1)	
7	113/04/01 ~ 113/04/07	Spring Break	
8	113/04/08 ~ 113/04/14	Hypothesis Tests for One Population Mean (2)	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Review of Midterm Exam	
11	113/04/29 ~ 113/05/05	Inferences for Two Population Means (1)	
12	113/05/06 ~ 113/05/12	Quiz 4; Inferences for Two Population Means (2)	
13	113/05/13 ~ 113/05/19	Quiz 5; Inferences for Two Population Means (3)	
14	113/05/20 ~ 113/05/26	Chi-Square Procedures (1)	
15	113/05/27 ~ 113/06/02	Quiz 6; Chi-Square Procedures (2)	
16	113/06/03 ~ 113/06/09	Chi-Square Procedures (3)	
17	113/06/10 ~ 113/06/16	Final Exam Week (Date:113/6/11-113/6/17)	
18	113/06/17 ~ 113/06/23	Review of Final Exam	
Key capabilities			
Interdisciplinary			
Distinctive teaching			
Course Content		Logical Thinking	
Requirement		According to TKU Study Regulations, article 38, if a student's class absence reaches one-third of the total class hours (in a semester) for this course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for this course) of zero.	

Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks Name of teaching materials: Weiss, Neil A. (2016). Introductory Statistics (10th ed.) (華泰文化代理) Textbook ordering information
References	
Grading Policy	<ul style="list-style-type: none"> ◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 35.0 % ◆ Final Exam : 35.0 % ◆ Other (in-Class tests) : 20.0 %
Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>