

## Tamkang University Academic Year 112, 1st Semester Course Syllabus

Course Title	STATISTICS (I)	Instructor	CHOU, YING-LUNG
Course Class	TRJXB1A DEPARTMENT OF GLOBAL POLITICS AND ECONOMICS (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ One Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education		
<b>Departmental Aim of Education</b>			
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.			
<b>Subject Departmental core competences</b>			
<ul style="list-style-type: none"> <li>A. Provide essential analytical abilities in the area of politics and economics(ratio:50.00)</li> <li>B. Provide knowledge and skills to understand the current global issues(ratio:5.00)</li> <li>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)</li> <li>D. Develop ability to pursue research independently as well as in teams(ratio:30.00)</li> <li>E. Provide basic knowledge on Taiwan's political and economic development(ratio:5.00)</li> </ul>			
<b>Subject Schoolwide essential virtues</b>			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:10.00)</li> <li>2. Information literacy. (ratio:30.00)</li> <li>3. A vision for the future. (ratio:15.00)</li> <li>4. Moral integrity. (ratio:5.00)</li> <li>5. Independent thinking. (ratio:25.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</li> <li>7. A spirit of teamwork and dedication. (ratio:5.00)</li> <li>8. A sense of aesthetic appreciation. (ratio:5.00)</li> </ul>			

Course Introduction	This course intends to introduce some basic knowledge of statistics to the students of Dept. of Global Politics and Economics.
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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, Practicum	Testing

**Course Schedule**

Week	Date	Course Contents	Note
1	112/09/11 ~ 112/09/17	Course Introduction; The Nature of Statistics	
2	112/09/18 ~ 112/09/24	Organizing Data	
3	112/09/25 ~ 112/10/01	Descriptive Measures (1)	
4	112/10/02 ~ 112/10/08	Quiz 1; Descriptive Measures (2)	
5	112/10/09 ~ 112/10/15	National Day	
6	112/10/16 ~ 112/10/22	Probability Concepts (1)	

7	112/10/23 ~ 112/10/29	Quiz 2; Probability Concepts (2)	
8	112/10/30 ~ 112/11/05	Discrete Random Variables (1)	
9	112/11/06 ~ 112/11/12	Midterm Exam Week	
10	112/11/13 ~ 112/11/19	Review of Midterm Exam; Discrete Random Variable (2)	
11	112/11/20 ~ 112/11/26	Normal Distribution (1)	
12	112/11/27 ~ 112/12/03	Quiz 3; Normal Distribution (2)	
13	112/12/04 ~ 112/12/10	Quiz 4; Normal Distribution (3)	
14	112/12/11 ~ 112/12/17	The Sampling Distribution of the Sample Mean (1)	
15	112/12/18 ~ 112/12/24	Quiz 5; The Sampling Distribution of the Sample Mean (2)	
16	112/12/25 ~ 112/12/31	The Sampling Distribution of the Sample Mean (3)	
17	113/01/01 ~ 113/01/07	Final Exam Week	
18	113/01/08 ~ 113/01/14	Flex week, learning activities should be arranged.	
Key capabilities			
Interdisciplinary			
Distinctive teaching			
Course Content		Logical Thinking	
Requirement		All students must attend the class since the first week, including those who want to add to this class.	
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)	

References	
Grading Policy	<p>◆ Attendance : 10.0 %    ◆ Mark of Usual :        %    ◆ Midterm Exam : 35.0 %</p> <p>◆ Final Exam : 35.0 %</p> <p>◆ Other (In-class Tests) : 20.0 %</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>