

Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	STATISTICS (I)	Instructor	MATEUS LEE
Course Class	TRDXB2A DEPARTMENT OF DIPLOMACY AND INTERNATIONAL RELATIONS (ENGLISH-TAUGHT PROGRAM), 2A	Details	◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure		
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			
To provide students with an understanding of the major theories in diplomacy & international relations and to equip students with practical skills and help them become outstanding members of the diplomatic and international relations community.			
Subject Departmental core competences			
A. Every student will process essential understanding of theories of international relations. (ratio:5.00) B. Every student will have primary perception of current international issues.(ratio:5.00) C. Every student will become capable of Independent thinking and information processing to further improve international relations.(ratio:40.00) D. Every student will process essential knowledge of participation in governmental & non-governmental affairs.(ratio:10.00) E. Every student will display high-level competence in English.(ratio:40.00)			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:5.00) 2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:10.00) 5. Independent thinking. (ratio:30.00) 6. A cheerful attitude and healthy lifestyle. (ratio:10.00) 7. A spirit of teamwork and dedication. (ratio:5.00) 8. A sense of aesthetic appreciation. (ratio:5.00)			

Course Introduction	<p>The course introduces the basic concepts of statistics with practical applications. Popular statistical software--EXCEL--is also introduced for helping the class to know how to apply statistics practically. The course's goal is to establish the students' fundamental capability in organizing, analyzing and interpreting data.</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	Learning and understanding the basic concepts of statistics.	Cognitive
2	Helping the students to acknowledge how to apply statistics.	Affective
3	Strengthening the students' capabilities of independent and logical thinking, analyzing and solving problems.	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, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Activity Participation, Statistical software (EXCEL) class
2	ABCE	245678	Lecture, Discussion, Practicum	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Statistical software (EXCEL) class

3	ABCE	12345678	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Activity Participation, Statistical software (EXCEL) class
Course Schedule				
Week	Date	Course Contents		Note
1	114/09/15 ~ 114/09/21	Introduction of the Course and Chapter 1. What is Statistics		Class Discussion
2	114/09/22 ~ 114/09/28	Chapter 2. Describing Data (I-1): Frequencies and Graphic Presentation for "Qualitative" Data		Class discussion
3	114/09/29 ~ 114/10/05	Chapter 2. Describing Data (I-2): Frequencies and Graphic Presentation for "Quantitative" Data		Class discussion
4	114/10/06 ~ 114/10/12	Chapter 3. Describing Data (II-1): Measures of Location		
5	114/10/13 ~ 114/10/19	Chapter 3. Describing Data (II-2): Measures of Variation		
6	114/10/20 ~ 114/10/26	Chapter 4. Describing Data (III-1): Measures of Position, Skewness		
7	114/10/27 ~ 114/11/02	Chapter 4. Describing Data (III-2): the Relationship Between Two Variables		In-class exercise
8	114/11/03 ~ 114/11/09	【Software Practice in Computer Room】Learn how to use Excel for Statistics		Computer room
9	114/11/10 ~ 114/11/16	Chapter 7. Continuous Probability Distribution (I): Normal Distribution		In-class exercise
10	114/11/17 ~ 114/11/23	Chapter 7. Continuous Probability Distribution (II): Standard Normal distribution		In-class exercise
11	114/11/24 ~ 114/11/30	*** Midterm Exam on 27th Nov 2025 ***		No correction exercise
12	114/12/01 ~ 114/12/07	Chapter 8. Sampling and Sampling Distributions (I): Sampling methods		
13	114/12/08 ~ 114/12/14	Chapter 8. Sampling and Sampling Distributions (II): Sampling distributions		In-class exercise
14	114/12/15 ~ 114/12/21	Chapter 8. Sampling and Sampling Distributions (III): Applications of Sampling distributions		In-class exercise
15	114/12/22 ~ 114/12/28	Day-off on 25th Dec 2025		
16	114/12/29 ~ 115/01/04	Day-off on 1st Jan 2026		

17	115/01/05 ~ 115/01/11	*** Final Exam on 8th Jan 2026 ***	
18	115/01/12 ~ 115/01/18	Correction exercise for Final Exam	In-class exercise
Key capabilities			
Interdisciplinary			
Distinctive teaching			
Course Content		Logical Thinking	
Requirement		(1) There is a Software Practice Class in Computer Room on 6th Nov 2025. (2) Midterm exam is assigned on 13th Nov 2025 and there is NO correction exercise. (3) Final exam is assigned on 8th Jan 2026, and a follow-up correction exercise is assigned on 15th Jan 2026. (4) Participate in In-class exercises are helpful in learning Statistics. (5) No Eating and Talking in the Class / Behave Well and Do Not Use Any 3C Devices in the Class / Being in Class On Time / Asking Question is a Credit / Lesson Preview and Review are Recommended.	
Textbooks and Teaching Materials		Self-made teaching materials:Presentations, Handouts Using teaching materials from other writers:Textbooks Name of teaching materials: 【Textbook】Lind D.A., Marchal W.G., and Wathen S.A. (2022). Basic Statistics for Business & Economics (10th edition). McGraw Hill. (ISBN: 978-1-260-57048-9)	
References		(1) Weiss, Neil A. (2017). Introductory Statistics (10e). Pearson. (2) Moore D., McCabe G.P. & Craig B.A. (2017). Introduction to the Practice of Statistics (9e). Macmillan Learning. (3) Lind D.A., Marchal W.G., and Wathen S.A. (2020). Statistical Techniques in Business & Economics (18th edition). McGraw Hill.	
Grading Policy		◆ Attendance : 10.0 % ◆ Mark of Usual : 15.0 % ◆ Midterm Exam : 20.0 % ◆ Final Exam : 30.0 % ◆ Other 〈 In-class exercises 〉 : 25.0 %	
Note		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 . ※"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.	