

## Tamkang University Academic Year 111, 1st Semester Course Syllabus

Course Title	STATISTICS	Instructor	LO, TANG-YUN
Course Class	TLFXE2B DEPARTMENT OF INTERNATIONAL BUSINESS, 2B	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ 1st Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
<ul style="list-style-type: none"> <li>I. Acquisition of professional knowledge.</li> <li>II. Learning effective self-planning.</li> <li>III. Theoretical application of practical matters.</li> <li>IV. Interpersonal communication and teamwork.</li> <li>V. Analysis of problems and recommendations.</li> <li>VI. Awareness of Ethics as a global citizen.</li> </ul>			
Subject Departmental core competences			
<ul style="list-style-type: none"> <li>A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:40.00)</li> <li>B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:40.00)</li> <li>C. Students can demonstrate that they have capability in using information technology. (ratio:10.00)</li> <li>D. Students can demonstrate that they are critical thinkers.(ratio:10.00)</li> </ul>			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:5.00)</li> <li>2. Information literacy. (ratio:15.00)</li> <li>3. A vision for the future. (ratio:5.00)</li> <li>4. Moral integrity. (ratio:15.00)</li> <li>5. Independent thinking. (ratio:30.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</li> </ul>			

7. A spirit of teamwork and dedication. (ratio:5.00)

8. A sense of aesthetic appreciation. (ratio:20.00)

**Course Introduction**

This course aims at equipping students with knowledge of basic probability distributions and tools. After this class, students should have basic skills to statistical analysis.

**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	This course aims at equipping students with knowledge of probability distributions and skills	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	Discussion(including classroom and online), Report(including oral and written)

**Course Schedule**

Week	Date	Course Contents	Note
1	111/09/05 ~ 111/09/11	Measure of Central Tendency	
2	111/09/12 ~ 111/09/18	Measures of Variation	
3	111/09/19 ~ 111/09/25	Standard Score	

4	111/09/26 ~ 111/10/02	Probability, Percentile Rank, and Centile	
5	111/10/03 ~ 111/10/09	Simple Regression Analysis	
6	111/10/10 ~ 111/10/16	Normal Distribution	
7	111/10/17 ~ 111/10/23	Hypothesis Test	
8	111/10/24 ~ 111/10/30	Midterm Exam Week	
9	111/10/31 ~ 111/11/06	Independent Sample t test	
10	111/11/07 ~ 111/11/13	Midterm Exam Week	
11	111/11/14 ~ 111/11/20	Dependent Sample t test	
12	111/11/21 ~ 111/11/27	Sample t test- Review	
13	111/11/28 ~ 111/12/04	Two way ANOVA (1)	
14	111/12/05 ~ 111/12/11	Two way ANOVA (2)	
15	111/12/12 ~ 111/12/18	Two way ANOVA (3)	
16	111/12/19 ~ 111/12/25	Two way ANOVA (4)	
17	111/12/26 ~ 112/01/01	Discussion	
18	112/01/02 ~ 112/01/08	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	
References	
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance : 40.0 %    ◆ Mark of Usual :        %    ◆ Midterm Exam :        % ◆ Final Exam : 60.0 % ◆ Other < > :        %

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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>
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