

## Tamkang University Academic Year 113, 2nd Semester Course Syllabus

Course Title	STATISTICS	Instructor	LEE, YUNG-HSIN
Course Class	TLFBB1B DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1B	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ 2nd Semester</li> <li>◆ 2 Credits</li> </ul>
Relevance to SDGs	<p>SDG4 Quality education</p> <p>SDG9 Industry, Innovation, and Infrastructure</p>		
<b>Departmental Aim of Education</b>			
<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>			
<b>Subject Departmental core competences</b>			
<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>			
<b>Subject Schoolwide essential virtues</b>			
<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 is a one-year course, and the second semester will involve regression and time series 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	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	Testing, Discussion(including classroom and online), Report(including oral and written)

**Course Schedule**

Week	Date	Course Contents	Note
1	114/02/17 ~ 114/02/23	Inference About Population Variances (1)	
2	114/02/24 ~ 114/03/02	Inference About Population Variances (2)	

3	114/03/03 ~ 114/03/09	Comparing Multiple Proportions, Test of Independence and Goodness of Fit (1)	
4	114/03/10 ~ 114/03/16	Comparing Multiple Proportions, Test of Independence and Goodness of Fit (2)	
5	114/03/17 ~ 114/03/23	Experimental Design & Analysis of Variance (1)	
6	114/03/24 ~ 114/03/30	Experimental Design & Analysis of Variance (2)	
7	114/03/31 ~ 114/04/06	Holiday	
8	114/04/07 ~ 114/04/13	Experimental Design & Analysis of Variance (3)	
9	114/04/14 ~ 114/04/20	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	114/04/21 ~ 114/04/27	Simple Linear Regression (1)	
11	114/04/28 ~ 114/05/04	Simple Linear Regression (2)	
12	114/05/05 ~ 114/05/11	Regression Analysis (1)	
13	114/05/12 ~ 114/05/18	Regression Analysis (2)	
14	114/05/19 ~ 114/05/25	Time Series Analysis and Forecasting (1)	
15	114/05/26 ~ 114/06/01	Time Series Analysis and Forecasting (2)	
16	114/06/02 ~ 114/06/08	Non-parametric Methods	
17	114/06/09 ~ 114/06/15	Final Exam/Final Assessment Week (teachers can adjust the week as needed)	
18	114/06/16 ~ 114/06/22	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.	
Key capabilities	self-directed learning		
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)		
Distinctive teaching	Project implementation course		

Course Content	Logical Thinking
Requirement	TKU Study Regulations Chapter 6 – Examination and Grades Article 38 If a student' s class absence reaches one-third of the total class hours (in a semester) for a particular 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 that course) of zero.
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks
References	
Grading Policy	◆ Attendance : 20.0 %   ◆ Mark of Usual :   %   ◆ Midterm Exam : 40.0 % ◆ Final Exam : 35.0 % ◆ Other 〈Questionnaire. 〉 : 5.0 %
Note	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> .  <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>