

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

Course Title	STATISTICS	Instructor	HSIEH CHIH-JOU
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1A	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 SDG8 Decent work and economic growth SDG10 Reducing inequalities		
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			
I. Acquisition of professional knowledge. II. Learning effective self-planning. III. Theoretical application of practical matters. IV. Interpersonal communication and teamwork. V. Analysis of problems and recommendations. VI. Awareness of Ethics as a global citizen.			
Subject Departmental core competences			
A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:40.00) B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:40.00) C. Students can demonstrate that they have capability in using information technology. (ratio:10.00) D. Students can demonstrate that they are critical thinkers.(ratio:10.00)			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:5.00) 2. Information literacy. (ratio:15.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:15.00) 5. Independent thinking. (ratio:30.00) 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:20.00)

**Course Introduction**

The purpose of this course is to give students a conceptual introduction to the field of statistics and its many applications.

**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, Practicum	Testing, Practicum

**Course Schedule**

Week	Date	Course Contents	Note
1	112/09/11 ~ 112/09/17	Descriptive Statistics: Tabular and Graphical Displays	
2	112/09/18 ~ 112/09/24	Descriptive Statistics: Numerical Measures	
3	112/09/25 ~ 112/10/01	Descriptive Statistics: Numerical Measures	
4	112/10/02 ~ 112/10/08	Descriptive Statistics: Numerical Measures	

5	112/10/09 ~ 112/10/15	Public Holiday	
6	112/10/16 ~ 112/10/22	Time Series Analysis and Forecasting	
7	112/10/23 ~ 112/10/29	Time Series Analysis and Forecasting	
8	112/10/30 ~ 112/11/05	Time Series Analysis and Forecasting	
9	112/11/06 ~ 112/11/12	Midterm Exam Week	
10	112/11/13 ~ 112/11/19	Sampling and Sampling Distributions	
11	112/11/20 ~ 112/11/26	Sampling and Sampling Distributions	
12	112/11/27 ~ 112/12/03	Sampling and Sampling Distributions	
13	112/12/04 ~ 112/12/10	Interval Estimation	
14	112/12/11 ~ 112/12/17	Interval Estimation	
15	112/12/18 ~ 112/12/24	Index Numbers	
16	112/12/25 ~ 112/12/31	Index Numbers	
17	113/01/01 ~ 113/01/07	Final Exam Week	
18	113/01/08 ~ 113/01/14	112/09/15: Descriptive Statistics: Tabular and Graphical Displays	
Key capabilities	self-directed learning Problem solving		
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics)		
Distinctive teaching	Special/Problem-Based(PBL) Courses		
Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking		
Requirement	No make-up exam		

Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks, Presentations
References	
Grading Policy	<p>◆ Attendance :            %    ◆ Mark of Usual :            %    ◆ Midterm Exam : 50.0 %</p> <p>◆ Final Exam :    50.0 %</p> <p>◆ Other (   ) :            %</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>