

Tamkang University Academic Year 114, 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	◆ General Course ◆ Required ◆ 1st Semester ◆ 2 Credits
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		This course provides students with a conceptual introduction to the field of statistics and its numerous applications.		
<p>The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.</p> <p>Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.</p> <p>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</p> <p>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</p> <p>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</p>				
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	114/09/15 ~ 114/09/21	Descriptive Statistics: Tabular and Graphical Displays		
2	114/09/22 ~ 114/09/28	Descriptive Statistics: Tabular and Graphical Displays		
3	114/09/29 ~ 114/10/05	Public Holiday		
4	114/10/06 ~ 114/10/12	Public Holiday		

5	114/10/13 ~ 114/10/19	Descriptive Statistics: Numerical Measures	
6	114/10/20 ~ 114/10/26	Descriptive Statistics: Numerical Measures	
7	114/10/27 ~ 114/11/02	Descriptive Statistics: Numerical Measures	
8	114/11/03 ~ 114/11/09	Descriptive Statistics: Numerical Measures	
9	114/11/10 ~ 114/11/16	Midterm Exam Week	
10	114/11/17 ~ 114/11/23	Sampling and Sampling Distributions	
11	114/11/24 ~ 114/11/30	Sampling and Sampling Distributions	
12	114/12/01 ~ 114/12/07	Sampling and Sampling Distributions	
13	114/12/08 ~ 114/12/14	Time Series Analysis and Forecasting	
14	114/12/15 ~ 114/12/21	Time Series Analysis and Forecasting	
15	114/12/22 ~ 114/12/28	Time Series Analysis and Forecasting	
16	114/12/29 ~ 115/01/04	Final Exam	
17	115/01/05 ~ 115/01/11	Grade Release Date	
18	115/01/12 ~ 115/01/18	Grade Release Date	
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 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.</p> <p>※"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.</p>