

Tamkang University Academic Year 113, 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		The purpose of this course is to give students a conceptual introduction to the field of statistics and its many 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	113/09/09 ~ 113/09/15	Descriptive Statistics: Tabular and Graphical Displays		
2	113/09/16 ~ 113/09/22	Descriptive Statistics: Tabular and Graphical Displays		
3	113/09/23 ~ 113/09/29	Descriptive Statistics: Numerical Measures		
4	113/09/30 ~ 113/10/06	Descriptive Statistics: Numerical Measures		

5	113/10/07 ~ 113/10/13	Descriptive Statistics: Numerical Measures	
6	113/10/14 ~ 113/10/20	Time Series Analysis and Forecasting	
7	113/10/21 ~ 113/10/27	Time Series Analysis and Forecasting	
8	113/10/28 ~ 113/11/03	Time Series Analysis and Forecasting	
9	113/11/04 ~ 113/11/10	Midterm Exam Week	
10	113/11/11 ~ 113/11/17	Sampling and Sampling Distributions	
11	113/11/18 ~ 113/11/24	Sampling and Sampling Distributions	
12	113/11/25 ~ 113/12/01	Sampling and Sampling Distributions	
13	113/12/02 ~ 113/12/08	Interval Estimation	
14	113/12/09 ~ 113/12/15	Interval Estimation	
15	113/12/16 ~ 113/12/22	Index Numbers	
16	113/12/23 ~ 113/12/29	Index Numbers	
17	113/12/30 ~ 114/01/05	Final Exam Week	
18	114/01/06 ~ 114/01/12	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 http://info.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>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>