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

Course Title	APPLIED STATISTICS	Instructor	CHIEH-YU HSIAO	
Course Class	TLBAB2A DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM),	Details	<ul> <li>General Course</li> <li>Selective</li> <li>One Semester</li> </ul>	
Relevance to SDGs	2A SDG3 Good health and well-being for people SDG8 Decent work and economic growth			
	Departmental Aim of Educ	ation		
I. Learnin	ng and instanding international financial theory.			
II. Learn to plan the future.				
III. Enhanc	III. Enhance the ability of practical analysis.			
IV. Increas	e the team research ability.			
V. Master	the international financial pulsation.			
VI. Cultiva	te morality and global civilization.			
	Subject Departmental core competenc	es		
	ent to have a basic knowledge of international financial manag (ratio:30.00)	ement theory	and	
B. To have	B. To have a good grounding of relevant financial laws.(ratio:5.00)			
	C. To understand the basic moral principles within the international financial industry. (ratio:15.00)			
	D. To have a global perspective of the subject and a basic command of foreign language abilities.(ratio:20.00)			
E. To obtain (ratio:15	n international professional qualifications that will aid their futu .00)	ire career.		
F. To obtai	n a basic ability to examine domestic and global financial situat	ions.(ratio:15.0	00)	
	Subject Schoolwide essential virtues			
1. A globa	perspective. (ratio:25.00)			
2. Information literacy. (ratio:15.00)				
3. A vision for the future. (ratio:30.00)				

4. Moral integrity. (ratio:5.00)

5. Independent thinking. (ratio:5.00)

6. A cheerful attitude and healthy lifestyle. (ratio:5.00)

7. A spirit of teamwork and dedication. (ratio:10.00)

8. A sense of aesthetic appreciation. (ratio:5.00)

Iı	Course	models softwa the sta	s), as well as techniques re. After finishing this co	with statistical models (mainly focus on lir for empirical analyses and usage of statis urse, students are expected to clearly und ole apply these models to empirical analy	tical derstand
do I. II.	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 Ob	jectives	objective methods
1	To learn how to obtain meaning information via     Cognitive       statistical data analysis and proper statistical     methods.			Cognitive	
2					Cognitive
3		roblems a	ons of statistical method nd to enhance the abilit eam work.		Psychomotor
The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment					
No.	Core Compe	etences	Essential Virtues	Teaching Methods	Assessment

1	DEF		245	Lecture, Discussion, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation
2	AEF		168	Lecture, Discussion, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Activity Participation
3	BC		2378	Lecture, Discussion, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation
				Course Schedule	
Week	Date		C	ourse Contents	Note
1	112/09/11~ 112/09/17	Course	Introduction & Empi	rical Analysis	
2	112/09/18 ~ 112/09/24	Problem Definition and Data Collection; Review on Math Tools: Probability and Statistics			
3	112/09/25~ 112/10/01	Review on Math Tools: Probability and Statistics			
4	112/10/02 ~ 112/10/08	Simple Regression Model: Model and the Ordinary Least Squares			
5	112/10/09 ~ 112/10/15	Simple Regression Model: Model and the Ordinary Least Squares			
6	112/10/16~ 112/10/22	Multiple Regression Analysis: Estimation			
7	112/10/23 ~ 112/10/29	Multiple Regression Analysis: Inference and OLS Asymptotics			
8	112/10/30~ 112/11/05	Multiple Regression Analysis: Further Issues			
9	112/11/06~ 112/11/12		n Exam Week (Final F ation; No Exam)	Project Proposal	
10	112/11/13 ~ 112/11/19	Assumptions of the Regression Model: Specification and Data Problems			
11	112/11/20~ 112/11/26	Introduction to the Statistical Software			
12	112/11/27 ~ 112/12/03	Introduo	ction to the Statistica	al Software	
13	112/12/04 ~ 112/12/10	Introduction to the Statistical Software			

14	112/12/11~ 112/12/17	Empirical Analysis			
15	112/12/18 ~ 112/12/24	Empirical Analysis			
16	112/12/25~ 112/12/31	Final Project Presentation			
17	113/01/01~ 113/01/07	Final Exam Week			
18	113/01/08~ 113/01/14	Final Project Discussion and Modification			
Key capabilities		self-directed learning Information Technology Problem solving Interdisciplinary			
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) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching			
	Distinctive teaching	Project implementation course Special/Problem-Based(PBL) Courses			
Course Content		Computer programming or Computer language (students have hands-on experience in related projects)			
Re	quirement				
Textbooks and Teaching Materials		Self-made teaching materials:Presentations, Handouts Using teaching materials from other writers:Textbooks Name of teaching materials: Wooldridge, Jeffrey. 2019. Introductory econometrics: A modern approach, 7th edition. Cengage Learning.			
R	References				
(	Grading Policy	<ul> <li>Attendance: 20.0 % ◆ Mark of Usual: % ◆ Midterm Exam: %</li> <li>Final Exam: %</li> <li>Other 〈Assignments &amp;Project〉: 80.0 %</li> </ul>			
	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 <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .         % Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.				
		Page:4/4 2024/4/16 17:31:4			