

## Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	INTRODUCTION TO ECONOMETRICS	Instructor	HSIEH CHIH-JOU
Course Class	TLFBB3A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 3A	Details	◆ General Course ◆ Selective ◆ One Semester ◆ 3 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 . To instill the university motto of "Simplicity, Firmness, Perseverance, and Fulfillment" into students. II . By integrating the "Five Disciplines" of education, the qualities of conduct, intelligence, physical education, teamwork, and beauty into the professional, core, and extracurricular curriculum, the department helps to produce well-rounded students skilled in identifying and solving problems. III . To oversee the trend and foresee the development of global economy, the department aims to produce the graduates with expertise in the fields of International Business and Trade.			
S u b j e c t   D e p a r t m e n t a l   c o r e   c o m p e t e n c e s			
A. Breeding professionals with expertise in general International Trade and International Business.(ratio:5.00) B. Consisting of Globalization, Information-Oriented and Future-Oriented education. (ratio:50.00) C. Producing graduates with capability of foreseeing and analyzing the development of Global Economy.(ratio:40.00) D. Breeding professionals with expertise in Marketing and Financial Management.(ratio:5.00)			
S u b j e c t   S c h o o l w i d e   e s s e n t i a l   v i r t u e s			
1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:10.00) 4. Moral integrity. (ratio:5.00) 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:5.00)

Course  
Introduction

This course aims to apply the concepts of Econometrics to real-world problems. Therefore, the focus is on understanding concepts, analyzing data, interpreting results, and checking assumptions in light of actual empirical 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 interpret empirical results based on Econometrics.	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

Course Schedule

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	The Nature of Econometrics and Economic Data	
2	114/09/22 ~ 114/09/28	The Simple Regression Model	
3	114/09/29 ~ 114/10/05	The Simple Regression Model	
4	114/10/06 ~ 114/10/12	Multiple Regression Analysis : Estimation	

5	114/10/13 ~ 114/10/19	Multiple Regression Analysis : Estimation	
6	114/10/20 ~ 114/10/26	Multiple Regression Analysis : Inference	
7	114/10/27 ~ 114/11/02	Multiple Regression Analysis : Inference	
8	114/11/03 ~ 114/11/09	Multiple Regression Analysis : Inference	
9	114/11/10 ~ 114/11/16	Midterm Exam Week	
10	114/11/17 ~ 114/11/23	Multiple Regression Analysis : OLS Asymptotics	
11	114/11/24 ~ 114/11/30	Multiple Regression Analysis : Further Issues	
12	114/12/01 ~ 114/12/07	Multiple Regression Analysis with Qualitative Information	
13	114/12/08 ~ 114/12/14	Multiple Regression Analysis with Qualitative Information	
14	114/12/15 ~ 114/12/21	Heteroskedasticity	
15	114/12/22 ~ 114/12/28	Heteroskedasticity	
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		Logical Thinking Sustainability issue	
Requirement			

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 &lt;   &gt; :            %</p>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="https://web2.ais.tku.edu.tw/csp">https://web2.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>※"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>