

Tamkang University Academic Year 107, 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	◆ Selective ◆ One Semester ◆ 3 Credits
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			
<p>I . To instill the university motto of "Simplicity, Firmness, Perseverance, and Fulfillment" into students.</p> <p>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.</p> <p>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.</p>			
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			
<p>A. Breeding professionals with expertise in general International Trade and International Business.</p> <p>B. Consisting of Globalization, Information-Oriented and Future-Oriented education.</p> <p>C. Producing graduates with capability of foreseeing and analyzing the development of Global Economy.</p> <p>D. Breeding professionals with expertise in Marketing and Financial Management.</p>			
Course Introduction	The purpose of this course is 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 Relevance among Teaching Objectives, Objective Levels and Departmental core competences

I.Objective Levels (select applicable ones) :

- (i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying,
C4-Analyzing, C5-Evaluating, C6-Creating
- (ii) Psychomotor Domain : P1-Imitation, P2-Mechanism, P3-Independent Operation,
P4-Linked Operation, P5-Automation, P6-Origination
- (iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing,
A4-Organizing, A5-Charaterizing, A6-Implementing

II.The Relevance among Teaching Objectives, Objective Levels and Departmental core competences :

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3,C5,and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A,AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	Students will be able to understand and interpret empirical results based on Econometrics.	C4	BC

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Students will be able to understand and interpret empirical results based on Econometrics.	Lecture, Discussion, Problem solving	Written test

This course has been designed to cultivate the following essential qualities in TKU students			
Essential Qualities of TKU Students		Description	
◇ A global perspective		Helping students develop a broader perspective from which to understand international affairs and global development.	
◆ Information literacy		Becoming adept at using information technology and learning the proper way to process information.	
◇ A vision for the future		Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.	
◇ Moral integrity		Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.	
◆ Independent thinking		Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.	
◇ A cheerful attitude and healthy lifestyle		Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.	
◇ A spirit of teamwork and dedication		Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.	
◇ A sense of aesthetic appreciation		Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.	
Course Schedule			
Week	Date	Subject/Topics	Note
1	107/09/10 ~ 107/09/16	The Nature of Econometrics and Economic Data	
2	107/09/17 ~ 107/09/23	The Simple Regression Model	
3	107/09/24 ~ 107/09/30	Multiple Regression Analysis : Estimation	
4	107/10/01 ~ 107/10/07	Multiple Regression Analysis : Estimation	
5	107/10/08 ~ 107/10/14	Public Holiday	
6	107/10/15 ~ 107/10/21	Multiple Regression Analysis : Inference	
7	107/10/22 ~ 107/10/28	Multiple Regression Analysis : Inference	
8	107/10/29 ~ 107/11/04	Multiple Regression Analysis : Inference	
9	107/11/05 ~ 107/11/11	Multiple Regression Analysis : OLS Asymptotics	
10	107/11/12 ~ 107/11/18	Midterm Exam Week	
11	107/11/19 ~ 107/11/25	Multiple Regression Analysis : Further Issues	
12	107/11/26 ~ 107/12/02	Multiple Regression Analysis : Further Issues	

13	107/12/03 ~ 107/12/09	Multiple Regression Analysis with Qualitative Information: Binary (or Dummy) Variables	
14	107/12/10 ~ 107/12/16	Multiple Regression Analysis with Qualitative Information: Binary (or Dummy) Variables	
15	107/12/17 ~ 107/12/23	Multiple Regression Analysis with Qualitative Information: Binary (or Dummy) Variables	
16	107/12/24 ~ 107/12/30	Heteroskedasticity	
17	107/12/31 ~ 108/01/06	Heteroskedasticity	
18	108/01/07 ~ 108/01/13	Final Exam Week	
Requirement			
Teaching Facility		Computer, Projector, Other (Blackboard)	
Textbook(s)		Introductory Econometrics — A Modern Approach, Wooldridge	
Reference(s)			
Number of Assignment(s)		(Filled in by assignment instructor only)	
Grading Policy		◆ Attendance : % ◆ Mark of Usual : % ◆ Midterm Exam : 50.0 % ◆ Final Exam : 50.0 % ◆ Other < > : %	
Note		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 . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.	