

## Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO ECONOMETRICS	Instructor	VARGA RENE FERENC FRANCOIS
Course Class	TQGX4A DEPARTMENT OF GLOBAL POLITICS AND ECONOMICS (ENGLISH-TAUGHT PROGRAM), 4A	Details	<ul style="list-style-type: none"> <li>◆ Selective</li> <li>◆ One Semester</li> <li>◆ 2 Credits</li> </ul>
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>To be equipped with a basic knowledge of economics and political science, to develop confidence in communicating professionally and academically in English in matters related to the global political economy; to acquire the capability to conduct further research individually and collectively with others; and ultimately to prepare oneself to become professionals and leaders with a global perspective for the international arena.</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			
<ul style="list-style-type: none"> <li>A. Provide essential analytical abilities in the area of politics and economics</li> <li>B. Provide knowledge and skills to understand the current global issues</li> <li>C. Develop a high level of proficiency in verbal and written English required in the course of study and for communication purposes</li> <li>D. Develop ability to pursue research independently as well as in teams</li> <li>E. Provide basic knowledge on Taiwan's political and economic development</li> </ul>			
Course Introduction	<p>This course is an introduction to econometrics. It is a very important subject in social sciences when we want to study the relationships between two or more variables (for example between the sales of DVD and income). Many students find econometrics to be intimidating. But we will use an understandable approach, based on plain English so students who are not comfortable with mathematics do not need to worry. We emphasize on the applied side of econometrics to let students practice what they learnt by using in classroom a notebook. Students will learn how to use EXCEL.</p>		

**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	Learn how to understand how life is working, how to make a model, how to make decision	C2	D

**Teaching Objectives, Teaching Methods and Assessment**

No.	Teaching Objectives	Teaching Methods	Assessment
1	Learn how to understand how life is working, how to make a model, how to make decision	Lecture, Discussion, Simulation, Problem solving	Written test, Practicum, Participation

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	108/02/18 ~ 108/02/24	Introduction	
2	108/02/25 ~ 108/03/03	What are data	
3	108/03/04 ~ 108/03/10	Descriptive analysis	
4	108/03/11 ~ 108/03/17	Introduction to simple regression model and OLS:	
5	108/03/18 ~ 108/03/24	Estimating a regression equation	
6	108/03/25 ~ 108/03/31	Computing the OLS regression line	
7	108/04/01 ~ 108/04/07	Interpreting the OLS regression	
8	108/04/08 ~ 108/04/14	Inference, are you talking to me?	
9	108/04/15 ~ 108/04/21	Review	
10	108/04/22 ~ 108/04/28	Midterm Exam Week	
11	108/04/29 ~ 108/05/05	Multiple regression analysis: introduction, Income is	
12	108/05/06 ~ 108/05/12	Multiple regression: estimation	

13	108/05/13 ~ 108/05/19	Multiple regression and inference: are you sure?	
14	108/05/20 ~ 108/05/26	Review	
15	108/05/27 ~ 108/06/02	Graduate Exam Week	
16	108/06/03 ~ 108/06/09	---	
17	108/06/10 ~ 108/06/16	---	
18	108/06/17 ~ 108/06/23	---	
Requirement			
Teaching Facility	Computer, Projector, Other (Supports provided)		
Textbook(s)	Will provide supports		
Reference(s)			
Number of Assignment(s)	6 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 40.0 %   ◆ Mark of Usual :   %   ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other < > :   %		
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.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> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>		