

Tamkang University Academic Year 105, 2nd Semester Course Syllabus

Course Title	ECONOMETRICS	Instructor	CHEN, WEI-JU
Course Class	TLAXM1A MASTER'S PROGRAM, DEPARTMENT OF ACCOUNTING, 1A	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			
I . Develop potential research capability. II . Able to integrate multiple fields. III . Uphold ethics & morality standards. IV . Cultivate international perspective. V . Develop macro-view of the future.			
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. Capability of reading and analyzing papers. B. Capability of organizing and analyzing data. C. Capability of understanding academic theory and its application. D. Capability of independent thinking and solve problems. E. Communication, coordination and teamwork skills. F. Social responsibility and professional ethics.			
Course Introduction	The objective of this course is to familiarize students with econometric analysis of cross-sectional data. The contents focus on linear regression analysis and related issues. This course is designed to help the future research of students.		

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-Characterizing, 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	Understand econometric models and methods.	C4	ACDE
2	Learn how to use econometric models and methods.	C6	ACDE

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Understand econometric models and methods.	Lecture, Discussion, Problem solving	Written test, Report, Participation
2	Learn how to use econometric models and methods.	Lecture, Discussion, Problem solving	Written test, Report, 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	106/02/13 ~ 106/02/19	Introduction Ch 1. The Nature of Econometrics and Economic Data.	
2	106/02/20 ~ 106/02/26	Ch 2. The Simple Regression Model.	
3	106/02/27 ~ 106/03/05	Ch 2. The Simple Regression Model.	
4	106/03/06 ~ 106/03/12	Ch 2. The Simple Regression Model.	
5	106/03/13 ~ 106/03/19	Ch 3. Multiple Regression Analysis: Estimation	
6	106/03/20 ~ 106/03/26	Ch 3. Multiple Regression Analysis: Estimation	
7	106/03/27 ~ 106/04/02	Ch 4. Multiple Regression Analysis: Inference.	
8	106/04/03 ~ 106/04/09	Teaching Observation Period	
9	106/04/10 ~ 106/04/16	Ch 6. Multiple Regression Analysis: Further Issues.	
10	106/04/17 ~ 106/04/23	Ch 7. Multiple Regression Analysis with Qualitative information: Binary (or Dummy) Variables.	
11	106/04/24 ~ 106/04/30	Mid-Term Examinations	
12	106/05/01 ~ 106/05/07	Special Subjects on Econometrics	

13	106/05/08 ~ 106/05/14	Special Subjects on Econometrics	
14	106/05/15 ~ 106/05/21	Special Subjects on Econometrics	
15	106/05/22 ~ 106/05/28	Special Subjects on Econometrics	
16	106/05/29 ~ 106/06/04	Special Subjects on Econometrics	
17	106/06/05 ~ 106/06/11	Special Subjects on Econometrics	
18	106/06/12 ~ 106/06/18	Final Examinations	
Requirement	For students from the Department of Accounting. Prerequisite Courses: Accounting (II) and Accounting (III)		
Teaching Facility	Computer, Projector		
Textbook(s)	Wooldridge, J. M. Introductory Econometrics: A Modern Approach		
Reference(s)	Maddala, Introduction to Econometrics		
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 50.0 % ◆ Final Exam : % ◆ Other 〈Final report〉 : 30.0 %		
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.		