Tamkang University Academic Year 111, 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
Relevance to SDGs	SDG4 Quality education SDG8 Decent work and economic growth		

Departmental Aim of Education

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.

Subject Departmental core competences

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)

Subject Schoolwide essential virtues

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	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 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	111/09/05 ~ 111/09/11	The Nature of Econometrics and Economic Data	
2	111/09/12 ~ 111/09/18	The Simple Regression Model	
3	111/09/19 ~ 111/09/25	The Simple Regression Model	
4	111/09/26 ~ 111/10/02	Multiple Regression Analysis : Estimation	

5	111/10/03 ~ 111/10/09	Multiple Regression Analysis : Estimation	
6	111/10/10 ~ 111/10/16	Multiple Regression Analysis : Inference	
7	111/10/17 ~ 111/10/23	Multiple Regression Analysis : Inference	
8	111/10/24 ~ 111/10/30	Multiple Regression Analysis : Inference	
9	111/10/31 ~ 111/11/06	Multiple Regression Analysis : OLS Asymptotics	
10	111/11/07 ~ 111/11/13	Midterm Exam Week	
11	111/11/14 ~ 111/11/20	Multiple Regression Analysis : Further Issues	
12	111/11/21 ~ 111/11/27	Multiple Regression Analysis with Qualitative Information	
13	111/11/28 ~ 111/12/04	Multiple Regression Analysis with Qualitative Information	
14	111/12/05 ~ 111/12/11	Heteroskedasticity	
15	111/12/12 ~ 111/12/18	Heteroskedasticity	
16	111/12/19 ~ 111/12/25	More on Specification and Data Issues	
17	111/12/26 ~ 112/01/01	More on Specification and Data Issues	
18	112/01/02 ~ 112/01/08	Final Exam Week	

Requirement	No Make-up Exam
Teaching Facility	Computer, Projector, Other (Blackboard)
Textbooks and Teaching Materials	Introductory Econometrics — A Modern Approach, Wooldridge 7e
References	
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 .
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