

Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	ADVANCED INDUSTRIAL ECONOMICS (II)	Instructor	LIU, CHIA-HUA
Course Class	TLEXD1A DOCTORAL PROGRAM, DEPARTMENT OF INDUSTRIAL ECONOMICS, 1A	Details	<ul style="list-style-type: none"> ◆ Required ◆ 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. Training up students to establish the specialized knowledge in industrial economics.</p> <p>II. Training up students to strengthen the diversity of knowledge in learning.</p> <p>III. Training up students with the ability in researches.</p> <p>IV. Training up students with the self-cultivation in moral character.</p> <p>V. Training up students with the macroscopic vision in globalization.</p> <p>VI. Training up students with the leadership in industrial development.</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. With the ability of doing researches in the field of industrial economics.</p> <p>B. With the ability of understanding the literature and making oral presentation.</p> <p>C. With the ability of writing high-quality research papers.</p> <p>D. With the potential of becoming an excellent analyst in industries.</p> <p>E. With the potential of becoming an excellent academic researcher in industrial economics.</p>			
Course Introduction	<p>The course will first discuss competitive industry and its relationships to general equilibrium theory in detail. The course then introduces theory and empirical evidence of price discrimination in monopoly industries. In addition, with the equilibrium concepts in game theory the course examines oligopoly models and related empirical papers. Finally, the course plans to introduce the identification strategies of econometric methods frequently used in empirical papers.</p>		

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

I. Objective Levels (select applicable ones) :

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|-------------------------|-------------------------------------|---------------------------|
| (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	The goal is to familiarize students with major topics in Industrial Organization (IO). Students may find some topics for their further research.	C3	ABDE

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	The goal is to familiarize students with major topics in Industrial Organization (IO). Students may find some topics for their further research.	Lecture, Discussion, Practicum, Problem solving	Written test, Practicum, 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	108/02/18 ~ 108/02/24	Course Introduction & Important Concepts in Economics	
2	108/02/25 ~ 108/03/03	Competition & General Equilibrium	
3	108/03/04 ~ 108/03/10	Competition & General Equilibrium	
4	108/03/11 ~ 108/03/17	Competition & General Equilibrium	
5	108/03/18 ~ 108/03/24	How to Summarize a Paper and How to Make a Presentation from a Finished Paper	
6	108/03/25 ~ 108/03/31	Spring Break, No Class	
7	108/04/01 ~ 108/04/07	Monopoly and Pricing	
8	108/04/08 ~ 108/04/14	Monopoly and Pricing	
9	108/04/15 ~ 108/04/21	Discussion a Paper	
10	108/04/22 ~ 108/04/28	First Report from a Selected Paper	
11	108/04/29 ~ 108/05/05	Midterm Exam	
12	108/05/06 ~ 108/05/12	Introduction to Instrument Variable Regression Model	

13	108/05/13 ~ 108/05/19	Discussion of a IV Paper	
14	108/05/20 ~ 108/05/26	Game Theory	
15	108/05/27 ~ 108/06/02	Game Theory	
16	108/06/03 ~ 108/06/09	Game Theory	
17	108/06/10 ~ 108/06/16	Second Report from a Selected IV Paper	
18	108/06/17 ~ 108/06/23	Final Exam	
Requirement	Students who failed to accomplish two reports will fail the course without any exception.		
Teaching Facility	Computer, Projector, Other (Blackboard)		
Textbook(s)	Guoqiang Tian, Lecture Note, Chap. 6-6.3, and Chap.7-8 Robert Gibbons · Game Theory for Applied Economists · Princeton University Press		
Reference(s)	Carlton, Dennis W., and Jeffrey M. Perloff. Modern Industrial Organization. 4th ed. Prentice-Hall Tirole, Jean. The Theory of Industrial Organization, Cambridge, MIT Press		
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : % ◆ Mark of Usual : 15.0 % ◆ Midterm Exam : 25.0 % ◆ Final Exam : 30.0 % ◆ Other 〈Reports〉 : 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.		