Course number U-LAS06 10020 LE43													
Course title (and course title in English)							name and d	Instructor's name, job title, and department of affiliation		Graduate School of Economics Program-Specific Senior Lecturer, ZHOU YU			
Group	Humanities and Social Sc					Field(Classif	ssification) Jur		isprudence, Politics and Economics(Foundation		nics(Foundations)	
Language of instruction English					Old group Gro		Group A	Number of c		redits	2		
Number of weekly time blocks		1				ecture Face-to-face course		urse)	Year/semesters		2025 • Second semester		
Days and periods		Thu.2		Targe		et year Mainly 1st		t year students	Eliç	gible students	For al	For all majors	
[Overview and purpose of the course]													
This course is to help students understand basic solution concepts, acquire the basic analytical tools in the applied game theory, and understand stylized applications of applied game theory. It may also get across with some knowledge of mechanism design and market design. This course covers a number of important applications in both game theory and market design such as signaling game, cheaper talk game, repeated game, marriage market matching, and auction.													
[Course objectives]													
Understand the key concepts and models in the applied game theoryMastering the ability to use game theoretical models to analyze practical issues													
[Course schedule and contents)]													
The lectures will be organized as follows.													
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Total: 14 c	lasse	es and	1 feed	lback									
	Continue to Applied Game Theory-E2(2)												

Applied Game Theory-E2(2)

[Course requirements]

Basic calculus

[Evaluation methods and policy]

Class participation (60%) Final examination (40%)

[Textbooks]

Harrington, Joseph [©]Games, strategies and decision making (Second Edition) ^{_} (Worth Publishers, 2014) (ISBN-10:1429239964)

[References, etc.]

(References, etc.)

Peters, Hans Game theory: A Multi-leveled approach (Springer, 2015) ISBN:978-3-662-51877-9

[Study outside of class (preparation and review)]

Students should read the class materials carefully

[Other information (office hours, etc.)]

Office hour by appointment

[Essential courses]