

科目ナンバリング		U-LAS06 10019 LE43							
授業科目名 ＜英訳＞		Introduction to Game Theory-E2 Introduction to Game Theory-E2				担当者所属 職名・氏名		経済学研究科 特定講師 李 晨	
群	人文・社会科学科目群		分野(分類)		法・政治・経済(基礎)		使用言語	英語	
旧群	A群	単位数	2単位		週コマ数	1コマ		授業形態	講義（対面授業科目）
開講年度・ 開講期	2025・前期		曜時限	月3/月4		配当学年	主として1回生	対象学生	全学向
【授業の概要・目的】									
<p>Game theory is the study of strategic interactions among rational decision-makers, where the outcome for each participant depends not only on their own actions but also on the actions of others. It provides a framework for analyzing situations in which individuals or groups must make decisions that affect one another.</p> <p>A complete information game is a type of game in which all players have full knowledge of the rules, strategies, and payoffs of other participants, allowing them to make fully informed decisions.</p> <p>This course will cover standard undergraduate-level material on complete information games, including the fundamental concepts, the formalization of game models, and key solution concepts such as Nash equilibrium. Through this course, students will gain a foundational understanding of strategic behavior in economic, political, and social contexts.</p>									
【到達目標】									
<ul style="list-style-type: none">・ Develop an understanding of the models and solution concepts of complete information games.・ Practice and acquire essential skills to analyze and solve application problems in complete information games.									
【授業計画と内容】									
<p>The lectures will be organized as follows.</p> <ol style="list-style-type: none">1. What is game theory.2. Introduction to normal-form games.3. Dominance and strictly dominant strategy equilibrium.4. Common knowledge of rationality and iterated elimination of strictly dominated strategies.5. Nash equilibrium: Theory.6. Nash equilibrium: Applications.7. Mixed strategy.8. Introduction to extensive form games.9. Backward induction.10. Subgame perfect equilibrium: Theory.11. Subgame perfect equilibrium: Applications.12. Bargaining game.13. Repeated game.14. Review lecture. <p>(Final examination.)</p> <ol style="list-style-type: none">15. Feedback.									
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【履修要件】
Certain topics will assume a foundational understanding of derivatives and integrals.
【成績評価の方法・観点】
Homework (25%) Class participation (5%) Final examination (70%)
【教科書】
授業中に指示する
【参考書等】
(参考書) 授業中に紹介する
【授業外学修（予習・復習）等】
Students will be assigned three problem sets as the homework.
【その他（オフィスアワー等）】
Office hour by e-mail appointment.
【主要授業科目（学部・学科名）】