

Advanced Noncooperative Game Theory (Spring, 2011)

Instructor : Shigeo MUTO (Professor, Dept. of Social Engineering)

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TA : TBA

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Time : Thurs. 10:45 – 12:15

Room : Rm. 607, 6th fl., West 9th Bldg.

Office hour : Muto (Tues. 18:30 – 19:30)

TA (TBA)

Text : Mas-Colell, A. et al. (1995), Microeconomic Theory, Oxford University Press

References :

R. Gibbons (1992), Game Theory for Applied Economists, Princeton University Press,

R. ギボンズ(1995), 経済学のためのゲーム理論入門, 福岡正夫・須田伸一訳, 創文社

岡田 章(1996), ゲーム理論, 有斐閣

武藤滋夫(2001), ゲーム理論入門, 日本経済新聞社

佐々木宏夫(2003), 入門ゲーム理論, 日本評論社

Text and references are available at the Library of the Dept. of Social Engineering

(4th fl., West 9th Bldg.)

Lecture slides can be downloaded from OCW (<http://www.ocw.titech.ac.jp/>).

社会理工学研究科 → 上級非協力ゲーム理論

Prerequisites : Undergraduate-level non-cooperative game theory

Schedule :

April 7 (Thurs.)	Introduction
April 14 (Thurs.)	Basic Elements of Noncooperative Games I (Ch.7)
April 21 (Thurs.)	Basic Elements of Noncooperative Games II (Ch.7)
April 29 (Fri.)	Simultaneous-Move Games I (Ch.8)
May 5 (Thurs.)	Simultaneous-Move Games II (Ch.8)
May 12 (Thurs.)	Simultaneous-Move Games III (Ch.8)
May 19 (Thurs.)	Simultaneous-Move Games IV (Ch.8)
May 26 (Thurs.)	Simultaneous-Move Games V (Ch.8)
June 2 (Thurs.)	Dynamic Games I (Ch.9)
June 9 (Thurs.)	Dynamic Games II (Ch.9)
June 16 (Thurs.)	Dynamic Games III (Ch.9)
June 23 (Thurs.)	Dynamic Games IV (Ch.9)
June 30 (Thurs.)	Dynamic Games V (Ch.9)
July 7 (Thurs.)	Exercises
July 14 (Thurs.)	Final Exam

Evaluation : Homework (40%) and Final Exam (60%)

Note: Lectures will be given in English.